

## SEQUENCE LISTING

&lt;110&gt; INCYTE PHARMACEUTICALS, INC.

HILLMAN, Jennifer L.

BANDMAN, Olga

LAL, Preeti

YUE, Henry

REDDY, Roopa

TANG, Y. Tom

GERSTIN, Edward H.

PATTERSON, Chandra

BAUGHN, Mariah R.

AZIMZAI, Yalda

LU, Dyung Aina M.

&lt;120&gt; HUMAN TRANSCRIPTIONAL REGULATOR MOLECULES

&lt;130&gt; PF-0509 PCT

&lt;140&gt; To Be Assigned

&lt;141&gt; Herewith

&lt;150&gt; 60/084,254; 60/095,827; 60/102,745

&lt;151&gt; 1998-05-05; 1998-08-07; 1998-10-02

&lt;160&gt; 130

&lt;170&gt; PERL Program

&lt;210&gt; 1

&lt;211&gt; 155

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte clone 001106CD1

&lt;400&gt; 1

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Met | Val | Ala | Arg | Lys | Gly | Gln | Lys | Ser | Pro | Arg | Phe | Arg | Arg | Val |
| 1   |     |     |     | 5   |     |     |     |     | 10  |     |     |     |     | 15  |
| Ser | Cys | Phe | Leu | Arg | Leu | Gly | Arg | Ser | Thr | Leu | Leu | Glu | Leu | Glu |
|     |     |     | 20  |     |     |     |     |     | 25  |     |     |     |     | 30  |
| Pro | Ala | Gly | Arg | Pro | Cys | Ser | Gly | Arg | Thr | Arg | His | Arg | Ala | Leu |
|     |     |     | 35  |     |     |     |     |     | 40  |     |     |     |     | 45  |
| His | Arg | Arg | Leu | Val | Ala | Cys | Val | Thr | Val | Ser | Ser | Arg | Arg | His |
|     |     |     | 50  |     |     |     |     |     | 55  |     |     |     |     | 60  |
| Arg | Lys | Glu | Ala | Gly | Arg | Gly | Arg | Ala | Glu | Ser | Phe | Ile | Ala | Val |
|     |     |     | 65  |     |     |     |     |     | 70  |     |     |     |     | 75  |
| Gly | Met | Ala | Ala | Pro | Ser | Met | Lys | Glu | Arg | Gln | Val | Cys | Trp | Gly |
|     |     |     | 80  |     |     |     |     |     | 85  |     |     |     |     | 90  |
| Ala | Arg | Asp | Glu | Tyr | Trp | Lys | Cys | Leu | Asp | Glu | Asn | Leu | Glu | Asp |
|     |     |     | 95  |     |     |     |     |     | 100 |     |     |     |     | 105 |
| Ala | Ser | Gln | Cys | Lys | Lys | Leu | Arg | Ser | Ser | Phe | Glu | Ser | Ser | Cys |
|     |     |     | 110 |     |     |     |     |     | 115 |     |     |     |     | 120 |
| Pro | Gln | Gln | Trp | Ile | Lys | Tyr | Phe | Asp | Lys | Arg | Arg | Asp | Tyr | Leu |
|     |     |     | 125 |     |     |     |     |     | 130 |     |     |     |     | 135 |
| Lys | Phe | Lys | Glu | Lys | Phe | Glu | Ala | Gly | Gln | Phe | Glu | Pro | Ser | Glu |
|     |     |     | 140 |     |     |     |     |     | 145 |     |     |     |     | 150 |
| Thr | Thr | Ala | Lys | Ser |     |     |     |     |     |     |     |     |     |     |
|     |     |     | 155 |     |     |     |     |     |     |     |     |     |     |     |

<210> 2  
 <211> 152  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte clone 004586CD1

<400> 2  
 Met Leu Ser Thr Leu Ser Gln Cys Glu Phe Ser Met Gly Lys Thr  
 1 5 10 15  
 Leu Leu Val Tyr Asp Met Asn Leu Arg Glu Met Glu Asn Tyr Glu  
 20 25 30  
 Lys Ile Tyr Lys Glu Ile Glu Cys Ser Ile Ala Gly Ala His Glu  
 35 40 45  
 Lys Ile Ala Glu Cys Lys Lys Gln Ile Leu Gln Ala Lys Arg Ile  
 50 55 60  
 Arg Lys Asn Arg Gln Glu Tyr Asp Ala Leu Ala Lys Val Ile Gln  
 65 70 75  
 His His Pro Asp Arg His Glu Thr Leu Lys Glu Leu Glu Ala Leu  
 80 85 90  
 Gly Lys Glu Leu Glu His Leu Ser His Ile Lys Glu Ser Val Glu  
 95 100 105  
 Asp Lys Leu Glu Leu Arg Arg Lys Gln Phe His Val Leu Leu Ser  
 110 115 120  
 Thr Ile His Glu Leu Gln Gln Thr Leu Glu Asn Asp Glu Lys Leu  
 125 130 135  
 Ser Glu Val Glu Glu Ala Gln Glu Ala Ser Met Glu Thr Asp Pro  
 140 145 150  
 Lys Pro

<210> 3  
 <211> 304  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc-feature  
 <223> Incyte clone 052927CD1

<400> 3  
 Met Ala Glu Ala Ser Ala Ala Gly Ala Asp Ser Gly Ala Ala Val  
 1 5 10 15  
 Ala Ala His Arg Phe Phe Cys His Phe Cys Lys Gly Glu Val Ser  
 20 25 30  
 Pro Lys Leu Pro Glu Tyr Ile Cys Pro Arg Cys Glu Ser Gly Phe  
 35 40 45  
 Ile Glu Glu Val Thr Asp Asp Ser Ser Phe Leu Gly Gly Gly Gly  
 50 55 60  
 Ser Arg Ile Asp Asn Thr Thr Thr Thr His Phe Ala Glu Leu Trp  
 65 70 75  
 Gly His Leu Asp His Thr Met Phe Phe Gln Asp Phe Arg Pro Phe  
 80 85 90  
 Leu Ser Ser Ser Pro Leu Asp Gln Asp Asn Arg Ala Asn Glu Arg  
 95 100 105  
 Gly His Gln Thr His Thr Asp Phe Trp Gly Ala Arg Pro Pro Arg  
 110 115 120  
 Leu Pro Leu Gly Arg Arg Tyr Arg Ser Arg Gly Ser Ser Arg Pro  
 125 130 135  
 Asp Arg Ser Pro Ala Ile Glu Gly Ile Leu Gln His Ile Phe Ala

|                 |                      |                     |     |  |     |
|-----------------|----------------------|---------------------|-----|--|-----|
|                 | 140                  |                     | 145 |  | 150 |
| Gly Phe Phe Ala | Asn Ser Ala Ile .Pro | Gly Ser Pro His Pro | Phe |  |     |
|                 | 155                  |                     | 160 |  | 165 |
| Ser Trp Ser Gly | Met Leu His Ser Asn  | Pro Gly Asp Tyr Ala | Trp |  |     |
|                 | 170                  |                     | 175 |  | 180 |
| Gly Gln Thr Gly | Leu Asp Ala Ile Val  | Thr Gln Leu Leu Gly | Gln |  |     |
|                 | 185                  |                     | 190 |  | 195 |
| Leu Glu Asn Thr | Gly Pro Pro Pro Ala  | Asp Lys Glu Lys Ile | Thr |  |     |
|                 | 200                  |                     | 205 |  | 210 |
| Ser Leu Pro Thr | Val Thr Val Thr Gln  | Glu Gln Val Asp Met | Gly |  |     |
|                 | 215                  |                     | 220 |  | 225 |
| Leu Glu Cys Pro | Val Cys Lys Glu Asp  | Tyr Thr Val Glu Glu | Glu |  |     |
|                 | 230                  |                     | 235 |  | 240 |
| Val Arg Gln Leu | Pro Cys Asn His Phe  | Phe His Ser Ser Cys | Ile |  |     |
|                 | 245                  |                     | 250 |  | 255 |
| Val Pro Trp Leu | Glu Leu His Asp Thr  | Cys Pro Val Cys Arg | Lys |  |     |
|                 | 260                  |                     | 265 |  | 270 |
| Ser Leu Asn Gly | Glu Asp Ser Thr Arg  | Gln Ser Gln Ser Thr | Glu |  |     |
|                 | 275                  |                     | 280 |  | 285 |
| Ala Ser Ala Ser | Asn Arg Phe Ser Asn  | Asp Ser Gln Leu His | Asp |  |     |
|                 | 290                  |                     | 295 |  | 300 |
| Arg Trp Thr Phe |                      |                     |     |  |     |

<210> 4  
 <211> 178  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte clone 082843CD1

|   |  |
|---|--|
| <400> 4   |  |
| Met Pro Lys Ala Lys Gly Lys Thr Arg Arg Gln Lys Phe Gly Tyr |  |
| 1 5 10 15   |  |
| Ser Val Asn Arg Lys Arg Leu Asn Arg Asn Ala Arg Arg Lys Ala |  |
| 20 25 30  |  |
| Ala Pro Arg Ile Glu Cys Ser His Ile Arg His Ala Trp Asp His |  |
| 35 40 45  |  |
| Ala Lys Ser Val Arg Gln Asn Leu Ala Glu Met Gly Leu Ala Val |  |
| 50 55 60  |  |
| Asp Pro Asn Arg Ala Val Pro Leu Arg Lys Arg Lys Val Lys Ala |  |
| 65 70 75  |  |
| Met Glu Val Asp Ile Glu Glu Arg Pro Lys Glu Leu Val Arg Lys |  |
| 80 85 90  |  |
| Pro Tyr Val Leu Asn Asp Leu Glu Ala Glu Ala Ser Leu Pro Glu |  |
| 95 100 105  |  |
| Lys Lys Gly Asn Thr Leu Ser Arg Asp Leu Ile Asp Tyr Val Arg |  |
| 110 115 120   |  |
| Tyr Met Val Glu Asn His Gly Glu Asp Tyr Lys Ala Met Ala Arg |  |
| 125 130 135   |  |
| Asp Glu Lys Asn Tyr Tyr Gln Asp Thr Pro Lys Gln Ile Arg Ser |  |
| 140 145 150   |  |
| Lys Ile Asn Val Tyr Lys Arg Phe Tyr Pro Ala Glu Trp Gln Asp |  |
| 155 160 165   |  |
| Phe Leu Asp Ser Leu Gln Lys Arg Lys Met Glu Val Glu         |  |
| 170 175   |  |

<210> 5  
 <211> 301

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte clone 322349CD1

&lt;400&gt; 5

```

Met Ala Arg His Gly Leu Pro Leu Leu Pro Leu Leu Ser Leu Leu
 1          5          10          15
Val Gly Ala Trp Leu Lys Leu Gly Asn Gly Gln Ala Thr Ser Met
 20          25          30
Val Gln Leu Gln Gly Arg Phe Leu Met Gly Thr Asn Ser Pro
 35          40          45
Asp Ser Arg Asp Gly Glu Gly Pro Val Arg Glu Ala Thr Val Lys
 50          55          60
Pro Phe Ala Ile Asp Ile Phe Pro Val Thr Asn Lys Asp Phe Arg
 65          70          75
Asp Phe Val Arg Glu Lys Lys Tyr Arg Thr Glu Ala Glu Met Phe
 80          85          90
Gly Trp Ser Phe Val Phe Glu Asp Phe Val Ser Asp Glu Leu Arg
 95          100          105
Asn Lys Ala Thr Gln Pro Met Lys Ser Val Leu Trp Trp Leu Pro
 110          115          120
Val Glu Lys Ala Phe Trp Arg Gln Pro Ala Gly Pro Gly Ser Gly
 125          130          135
Ile Arg Glu Arg Leu Glu His Pro Val Leu His Val Ser Trp Asn
 140          145          150
Asp Ala Arg Ala Tyr Cys Ala Trp Arg Gly Lys Arg Leu Pro Thr
 155          160          165
Glu Glu Glu Trp Glu Phe Ala Ala Arg Gly Leu Lys Gly Gln
 170          175          180
Val Tyr Pro Trp Gly Asn Trp Phe Gln Pro Asn Arg Thr Asn Leu
 185          190          195
Trp Gln Gly Lys Phe Pro Lys Gly Asp Lys Ala Glu Asp Gly Phe
 200          205          210
His Gly Val Ser Pro Val Asn Ala Phe Pro Ala Gln Asn Asn Tyr
 215          220          225
Gly Leu Tyr Asp Leu Leu Gly Asn Val Trp Glu Trp Thr Ala Ser
 230          235          240
Pro Tyr Gln Ala Ala Glu Gln Asp Met Arg Val Leu Arg Gly Ala
 245          250          255
Ser Trp Ile Asp Thr Ala Asp Gly Ser Ala Asn His Arg Ala Arg
 260          265          270
Val Thr Thr Arg Met Gly Asn Thr Pro Asp Ser Ala Ser Asp Asn
 275          280          285
Leu Gly Phe Arg Cys Ala Ala Asp Ala Gly Arg Pro Pro Gly Glu
 290          295          300
Leu

```

&lt;210&gt; 6

&lt;211&gt; 250

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte clone 397663CD1

&lt;400&gt; 6

```

Met Glu Val Arg Asn His Gln Gln Gln Lys Leu Arg Pro Arg Asp

```



|                     |                     |                     |     |
|---------------------|---------------------|---------------------|-----|
| 1                   | 5                   | 10                  | 15  |
| Trp Pro Gln Lys     | Pro Gln Cys His Gly | Ser Gly Val Ile His | Gly |
| 20                  | 25                  | 30                  |     |
| Asn Ser Pro Leu Cys | Pro Asn Trp Gln Val | Phe Pro Leu Val     | Arg |
| 35                  | 40                  | 45                  |     |
| Pro His Arg Gln Ser | Arg Gln Leu Gln Val | Pro Glu Pro Ile     | Gln |
| 50                  | 55                  | 60                  |     |
| Ala Gly Gly Pro Ser | Cys Gly His His Ser | Pro Trp Arg Leu     | Phe |
| 65                  | 70                  | 75                  |     |
| Leu Pro Gln Arg Lys | Ser Gln Val Ser Arg | Gly Gly Arg Leu     | Ala |
| 80                  | 85                  | 90                  |     |
| Cys Leu Leu Ser Tyr | Ala Gly Leu Ser Gly | Asp Asp Pro Asp     | Leu |
| 95                  | 100                 | 105                 |     |
| Gly Pro Ala His Val | Val Thr Val Ile Ala | Arg Gln Arg Gly     | Asp |
| 110                 | 115                 | 120                 |     |
| Gln Leu Val Pro Phe | Ser Thr Lys Ser Gly | Asp Thr Leu Leu     | Leu |
| 125                 | 130                 | 135                 |     |
| Leu His His Gly Asp | Phe Ser Ala Glu     | Val Phe His Arg     | Glu |
| 140                 | 145                 | 150                 |     |
| Leu Arg Ser Asn Ser | Met Lys Thr Trp Gly | Leu Arg Ala Ala     | Gly |
| 155                 | 160                 | 165                 |     |
| Trp Met Ala Met Phe | Met Gly Leu Asn Leu | Met Thr Arg Ile     | Leu |
| 170                 | 175                 | 180                 |     |
| Tyr Thr Leu Val Asp | Trp Phe Pro Val Phe | Arg Asp Leu Val     | Asn |
| 185                 | 190                 | 195                 |     |
| Ile Gly Leu Lys Ala | Phe Ala Phe Cys Val | Ala Thr Ser Leu     | Thr |
| 200                 | 205                 | 210                 |     |
| Leu Leu Thr Val Ala | Ala Gly Trp Leu Phe | Tyr Arg Pro Leu     | Trp |
| 215                 | 220                 | 225                 |     |
| Ala Leu Leu Ile Ala | Gly Leu Ala Leu Val | Pro Ile Leu Val     | Ala |
| 230                 | 235                 | 240                 |     |
| Arg Thr Arg Val Pro | Ala Lys Lys Leu Glu |                     |     |
| 245                 | 250                 |                     |     |

<210> 7  
 <211> 371  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte clone 673766CD1

<400> 7  
 Met Glu Leu Glu Leu Asp Ala Gly Asp Gln Asp Leu Leu Ala Phe  
 1 5 10 15  
 Leu Leu Glu Glu Ser Gly Asp Leu Gly Thr Ala Pro Asp Glu Ala  
 20 25 30  
 Val Arg Ala Pro Leu Asp Trp Ala Leu Pro Leu Ser Glu Val Pro  
 35 40 45  
 Ser Asp Trp Glu Val Asp Asp Leu Leu Cys Ser Leu Leu Ser Pro  
 50 55 60  
 Pro Ala Ser Leu Asn Ile Leu Ser Ser Ser Asn Pro Cys Leu Val  
 65 70 75  
 His His Asp His Thr Tyr Ser Leu Pro Arg Glu Thr Val Ser Met  
 80 85 90  
 Asp Leu Glu Ser Glu Ser Cys Arg Lys Glu Gly Thr Gln Met Thr  
 95 100 105  
 Pro Gln His Met Glu Glu Leu Ala Glu Gln Glu Ile Ala Arg Leu  
 110 115 120  
 Val Leu Thr Asp Glu Glu Lys Ser Leu Leu Glu Lys Glu Gly Leu

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Ile | Leu | Pro | Glu | Thr | Leu | Pro | Leu | Thr | Lys | Thr | Glu | Glu | Gln | Ile |
|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| Leu | Lys | Arg | Val | Arg | Arg | Lys | Ile | Arg | Asn | Lys | Arg | Ser | Ala | Gln |
|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| Glu | Ser | Arg | Arg | Lys | Lys | Lys | Val | Tyr | Val | Gly | Gly | Leu | Glu | Ser |
|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| Arg | Val | Leu | Lys | Tyr | Thr | Ala | Gln | Asn | Met | Glu | Leu | Gln | Asn | Lys |
|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| Val | Gln | Leu | Leu | Glu | Glu | Gln | Asn | Leu | Ser | Leu | Leu | Asp | Gln | Leu |
|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| Arg | Lys | Leu | Gln | Ala | Met | Val | Ile | Glu | Ile | Ser | Asn | Lys | Thr | Ser |
|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| Ser | Ser | Ser | Thr | Cys | Ile | Leu | Val | Leu | Leu | Val | Ser | Phe | Cys | Leu |
|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| Leu | Leu | Val | Pro | Ala | Met | Tyr | Ser | Ser | Asp | Thr | Arg | Gly | Ser | Leu |
|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| Pro | Ala | Glu | His | Gly | Val | Leu | Ser | Arg | Gln | Leu | Arg | Ala | Leu | Pro |
|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| Ser | Glu | Asp | Pro | Tyr | Gln | Leu | Glu | Leu | Pro | Ala | Leu | Gln | Ser | Glu |
|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| Val | Pro | Lys | Asp | Ser | Thr | His | Gln | Trp | Leu | Asp | Gly | Ser | Asp | Cys |
|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| Val | Leu | Gln | Ala | Pro | Gly | Asn | Thr | Ser | Cys | Leu | Leu | His | Tyr | Met |
|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| Pro | Gln | Ala | Pro | Ser | Ala | Glu | Pro | Pro | Leu | Glu | Trp | Pro | Phe | Pro |
|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| Asp | Leu | Phe | Ser | Glu | Pro | Leu | Cys | Arg | Gly | Pro | Ile | Leu | Pro | Leu |
|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| Gln | Ala | Asn | Leu | Thr | Arg | Lys | Gly | Gly | Trp | Leu | Pro | Thr | Gly | Ser |
|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| Pro | Ser | Val | Ile | Leu | Gln | Asp | Arg | Tyr | Ser | Gly |     |     |     |     |
|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |

&lt;210&gt; 8

&lt;211&gt; 148

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte clone 1504753CD1

&lt;400&gt; 8

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Met | Asn | Ser | Leu | Ala | Thr | Ser | Val | Phe | Ser | Ile | Ala | Ile | Pro | Val |
| 1   |     |     |     | 5   |     |     |     |     | 10  |     |     |     |     | 15  |
| Asp | Gly | Asp | Glu | Asp | Arg | Asn | Pro | Ser | Thr | Ala | Phe | Tyr | Gln | Ala |
|     |     |     |     | 20  |     |     |     |     | 25  |     |     |     |     | 30  |
| Phe | His | Leu | Asn | Thr | Leu | Lys | Glu | Ser | Lys | Ser | Leu | Trp | Asp | Ser |
|     |     |     |     | 35  |     |     |     |     | 40  |     |     |     |     | 45  |
| Ala | Ser | Gly | Gly | Gly | Val | Val | Ala | Ile | Asp | Asn | Lys | Ile | Glu | Gln |
|     |     |     |     | 50  |     |     |     |     | 55  |     |     |     |     | 60  |
| Ala | Met | Asp | Leu | Val | Lys | Ser | His | Leu | Met | Tyr | Ala | Val | Arg | Glu |
|     |     |     |     | 65  |     |     |     |     | 70  |     |     |     |     | 75  |
| Glu | Val | Glu | Val | Leu | Lys | Glu | Gln | Ile | Lys | Glu | Leu | Val | Glu | Arg |
|     |     |     |     | 80  |     |     |     |     | 85  |     |     |     |     | 90  |
| Asn | Ser | Leu | Leu | Glu | Arg | Glu | Asn | Ala | Leu | Leu | Lys | Ser | Leu | Ser |
|     |     |     |     | 95  |     |     |     |     | 100 |     |     |     |     | 105 |
| Ser | Asn | Asp | Gln | Leu | Ser | Gln | Leu | Pro | Thr | Gln | Gln | Ala | Asn | Pro |
|     |     |     |     | 110 |     |     |     |     | 115 |     |     |     |     | 120 |
| Gly | Ser | Thr | Ser | Gln | Gln | Gln | Ala | Val | Ile | Ala | Gln | Pro | Pro | Gln |

|     |     |     |     |     |     |     |     |     |     |     |     |     |  |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|-----|
|     |     |     |     | 125 |     |     |     |     |     | 130 |     |     |  | 135 |
| Pro | Thr | Gln | Pro | Pro | Gln | Gln | Pro | Asn | Val | Ser | Ser | Ala |  |     |
|     |     |     |     | 140 |     |     |     |     | 145 |     |     |     |  |     |

<210> 9  
 <211> 127  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte clone 1760185CD1

<400> 9  
 Met Arg Pro Leu Asp Ile Val Glu Leu Ala Glu Pro Glu Glu Val  
   1                  5                  10                  15  
 Glu Val Leu Glu Pro Glu Glu Asp Phe Glu Gln Phe Leu Leu Pro  
                   20                  25                  30  
 Val Ile Asn Glu Met Arg Glu Asp Ile Ala Ser Leu Thr Arg Glu  
                   35                  40                  45  
 His Gly Arg Ala Tyr Leu Arg Asn Arg Ser Lys Leu Trp Glu Met  
                   50                  55                  60  
 Asp Asn Met Leu Ile Gln Ile Lys Thr Gln Val Glu Ala Ser Glu  
                   65                  70                  75  
 Glu Ser Ala Leu Asn His Leu Gln Asn Pro Gly Asp Ala Ala Glu  
                   80                  85                  90  
 Gly Arg Ala Ala Lys Arg Cys Glu Lys Ala Glu Glu Lys Ala Lys  
                   95                  100                  105  
 Glu Ile Ala Lys Met Ala Glu Met Leu Val Glu Leu Val Arg Arg  
                   110                  115                  120  
 Ile Glu Lys Ser Glu Ser Ser  
                   125

<210> 10  
 <211> 383  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte clone 1805061CD1

<400> 10  
 Met Pro Tyr Val Asp Arg Gln Asn Arg Ile Cys Gly Phe Leu Asp  
   1                  5                  10                  15  
 Ile Glu Glu Asn Glu Asn Ser Gly Lys Phe Leu Arg Arg Tyr Phe  
                   20                  25                  30  
 Ile Leu Asp Thr Arg Glu Asp Ser Phe Val Trp Tyr Met Asp Asn  
                   35                  40                  45  
 Pro Gln Asn Leu Pro Ser Gly Ser Ser Arg Val Gly Ala Ile Lys  
                   50                  55                  60  
 Leu Thr Tyr Ile Ser Lys Val Ser Asp Ala Thr Lys Leu Arg Pro  
                   65                  70                  75  
 Lys Ala Glu Phe Cys Phe Val Met Asn Ala Gly Met Arg Lys Tyr  
                   80                  85                  90  
 Phe Leu Gln Ala Asn Asp Gln Gln Asp Leu Val Glu Trp Val Asn  
                   95                  100                  105

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Val | Leu | Asn | Lys | Ala | Ile | Lys | Ile | Thr | Val | Pro | Lys | Gln | Ser | Asp |
|     |     |     |     | 110 |     |     |     |     | 115 |     |     |     |     | 120 |
| Ser | Gln | Pro | Asn | Ser | Asp | Asn | Leu | Ser | Arg | His | Gly | Glu | Cys | Gly |
|     |     |     |     | 125 |     |     |     |     | 130 |     |     |     |     | 135 |
| Lys | Lys | Gln | Val | Ser | Tyr | Arg | Thr | Asp | Ile | Val | Gly | Gly | Val | Pro |
|     |     |     |     | 140 |     |     |     |     | 145 |     |     |     |     | 150 |
| Ile | Ile | Thr | Pro | Thr | Gln | Lys | Glu | Glu | Val | Asn | Glu | Cys | Gly | Glu |
|     |     |     |     | 155 |     |     |     |     | 160 |     |     |     |     | 165 |
| Ser | Ile | Asp | Arg | Asn | Asn | Leu | Lys | Arg | Ser | Gln | Ser | His | Leu | Pro |
|     |     |     |     | 170 |     |     |     |     | 175 |     |     |     |     | 180 |
| Tyr | Phe | Thr | Pro | Lys | Pro | Pro | Gln | Asp | Ser | Ala | Val | Ile | Lys | Ala |
|     |     |     |     | 185 |     |     |     |     | 190 |     |     |     |     | 195 |
| Gly | Tyr | Cys | Val | Lys | Gln | Gly | Ala | Val | Met | Lys | Asn | Trp | Lys | Arg |
|     |     |     |     | 200 |     |     |     |     | 205 |     |     |     |     | 210 |
| Arg | Tyr | Phe | Gln | Leu | Asp | Glu | Asn | Thr | Ile | Gly | Tyr | Phe | Lys | Ser |
|     |     |     |     | 215 |     |     |     |     | 220 |     |     |     |     | 225 |
| Glu | Leu | Glu | Lys | Glu | Pro | Leu | Arg | Val | Ile | Pro | Leu | Lys | Glu | Val |
|     |     |     |     | 230 |     |     |     |     | 235 |     |     |     |     | 240 |
| His | Lys | Val | Gln | Glu | Cys | Lys | Gln | Ser | Asp | Ile | Met | Met | Arg | Asp |
|     |     |     |     | 245 |     |     |     |     | 250 |     |     |     |     | 255 |
| Asn | Leu | Phe | Glu | Ile | Val | Thr | Thr | Ser | Arg | Thr | Phe | Tyr | Val | Gln |
|     |     |     |     | 260 |     |     |     |     | 265 |     |     |     |     | 270 |
| Ala | Asp | Ser | Pro | Glu | Glu | Met | His | Ser | Trp | Ile | Lys | Ala | Val | Ser |
|     |     |     |     | 275 |     |     |     |     | 280 |     |     |     |     | 285 |
| Gly | Ala | Ile | Val | Ala | Gln | Arg | Gly | Pro | Gly | Arg | Ser | Ala | Ser | Ser |
|     |     |     |     | 290 |     |     |     |     | 295 |     |     |     |     | 300 |
| Met | Arg | Gln | Ala | Arg | Arg | Leu | Ser | Asn | Pro | Cys | Ile | Gln | Arg | Ser |
|     |     |     |     | 305 |     |     |     |     | 310 |     |     |     |     | 315 |
| Ile | Pro | Pro | Val | Leu | Gln | Asn | Pro | Asn | Thr | Leu | Ser | Val | Leu | Pro |
|     |     |     |     | 320 |     |     |     |     | 325 |     |     |     |     | 330 |
| Thr | Gln | Pro | Pro | Pro | Pro | His | Ile | Pro | Gln | Pro | Leu | Ala | Ala | Thr |
|     |     |     |     | 335 |     |     |     |     | 340 |     |     |     |     | 345 |
| Leu | Trp | Ser | Gln | Pro | Leu | Pro | Trp | Arg | Ser | Glu | Asp | Phe | Thr | Ser |
|     |     |     |     | 350 |     |     |     |     | 355 |     |     |     |     | 360 |
| Leu | Leu | Pro | Arg | Ser | Ser | Gln | Gly | Thr | Ser | Arg | Ser | Arg | Leu | Ser |
|     |     |     |     | 365 |     |     |     |     | 370 |     |     |     |     | 375 |
| Leu | Gln | Glu | Asn | Gln | Leu | Pro | Lys |     |     |     |     |     |     |     |
|     |     |     |     | 380 |     |     |     |     |     |     |     |     |     |     |

&lt;210&gt; 11

&lt;211&gt; 254

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte clone 1850120CD1

&lt;400&gt; 11

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Met | Ser | Leu | Ala | Arg | Gly | His | Gly | Asp | Thr | Ala | Ala | Ser | Thr | Ala |
| 1   |     |     |     | 5   |     |     |     |     | 10  |     |     |     |     | 15  |
| Ala | Pro | Leu | Ser | Glu | Glu | Gly | Glu | Val | Thr | Ser | Gly | Leu | Gln | Ala |
|     |     |     |     | 20  |     |     |     |     | 25  |     |     |     |     | 30  |
| Leu | Ala | Val | Glu | Asp | Thr | Gly | Gly | Pro | Ser | Ala | Ser | Ala | Gly | Lys |
|     |     |     |     | 35  |     |     |     |     | 40  |     |     |     |     | 45  |
| Ala | Glu | Asp | Glu | Gly | Glu | Gly | Gly | Arg | Glu | Glu | Thr | Glu | Arg | Glu |
|     |     |     |     | 50  |     |     |     |     | 55  |     |     |     |     | 60  |
| Gly | Ser | Gly | Gly | Glu | Glu | Ala | Gln | Gly | Glu | Val | Pro | Ser | Ala | Gly |
|     |     |     |     | 65  |     |     |     |     | 70  |     |     |     |     | 75  |
| Gly | Glu | Glu | Pro | Ala | Glu | Glu | Asp | Ser | Glu | Asp | Trp | Cys | Val | Pro |
|     |     |     |     | 80  |     |     |     |     | 85  |     |     |     |     | 90  |
| Cys | Ser | Asp | Glu | Glu | Val | Glu | Leu | Pro | Ala | Asp | Gly | Gln | Pro | Trp |
|     |     |     |     | 95  |     |     |     |     | 100 |     |     |     |     | 105 |

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Met | Pro | Pro | Pro | Ser | Glu | Ile | Gln | Arg | Leu | Tyr | Glu | Leu | Leu | Ala |
|     |     |     |     | 110 |     |     |     |     | 115 |     |     |     |     | 120 |
| Ala | His | Gly | Thr | Leu | Glu | Leu | Gln | Ala | Glu | Ile | Leu | Pro | Arg | Arg |
|     |     |     |     | 125 |     |     |     |     | 130 |     |     |     |     | 135 |
| Pro | Pro | Thr | Pro | Glu | Arg | Gln | Ser | Glu | Glu | Glu | Arg | Ser | Asp | Glu |
|     |     |     |     | 140 |     |     |     |     | 145 |     |     |     |     | 150 |
| Glu | Pro | Glu | Ala | Lys | Glu | Glu | Glu | Glu | Glu | Lys | Pro | His | Met | Pro |
|     |     |     |     | 155 |     |     |     |     | 160 |     |     |     |     | 165 |
| Thr | Glu | Phe | Asp | Phe | Asp | Asp | Glu | Pro | Val | Thr | Pro | Lys | Asp | Ser |
|     |     |     |     | 170 |     |     |     |     | 175 |     |     |     |     | 180 |
| Leu | Ile | Asp | Arg | Arg | Arg | Thr | Pro | Gly | Ser | Ser | Ala | Arg | Ser | Gln |
|     |     |     |     | 185 |     |     |     |     | 190 |     |     |     |     | 195 |
| Lys | Arg | Glu | Ala | Arg | Leu | Asp | Lys | Val | Leu | Ser | Asp | Met | Lys | Arg |
|     |     |     |     | 200 |     |     |     |     | 205 |     |     |     |     | 210 |
| His | Lys | Lys | Leu | Glu | Glu | Gln | Ile | Leu | Arg | Thr | Gly | Arg | Asp | Leu |
|     |     |     |     | 215 |     |     |     |     | 220 |     |     |     |     | 225 |
| Phe | Ser | Leu | Asp | Ser | Glu | Asp | Pro | Ser | Pro | Ala | Ser | Pro | Pro | Leu |
|     |     |     |     | 230 |     |     |     |     | 235 |     |     |     |     | 240 |
| Arg | Ser | Ser | Gly | Ser | Ser | Leu | Phe | Pro | Arg | Gln | Arg | Lys | Tyr |     |
|     |     |     |     | 245 |     |     |     |     | 250 |     |     |     |     |     |

&lt;210&gt; 12

&lt;211&gt; 305

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte clone 1852290CD1

&lt;400&gt; 12

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Met | Ala | Leu | Cys | Ala | Leu | Thr | Arg | Ala | Leu | Arg | Ser | Leu | Asn | Leu |
| 1   |     |     |     | 5   |     |     |     |     | 10  |     |     |     |     | 15  |
| Ala | Pro | Pro | Thr | Val | Ala | Ala | Pro | Ala | Pro | Ser | Leu | Phe | Pro | Ala |
|     |     |     |     | 20  |     |     |     |     | 25  |     |     |     |     | 30  |
| Ala | Gln | Met | Met | Asn | Asn | Gly | Leu | Leu | Gln | Gln | Pro | Ser | Ala | Leu |
|     |     |     |     | 35  |     |     |     |     | 40  |     |     |     |     | 45  |
| Met | Leu | Leu | Pro | Cys | Arg | Pro | Val | Leu | Thr | Ser | Val | Ala | Leu | Asn |
|     |     |     |     | 50  |     |     |     |     | 55  |     |     |     |     | 60  |
| Ala | Asn | Phe | Val | Ser | Trp | Lys | Ser | Arg | Thr | Lys | Tyr | Thr | Ile | Thr |
|     |     |     |     | 65  |     |     |     |     | 70  |     |     |     |     | 75  |
| Pro | Val | Lys | Met | Arg | Lys | Ser | Gly | Gly | Arg | Asp | His | Thr | Gly | Arg |
|     |     |     |     | 80  |     |     |     |     | 85  |     |     |     |     | 90  |
| Ile | Arg | Val | His | Gly | Ile | Gly | Gly | Gly | His | Lys | Gln | Arg | Tyr | Arg |
|     |     |     |     | 95  |     |     |     |     | 100 |     |     |     |     | 105 |
| Met | Ile | Asp | Phe | Leu | Arg | Phe | Arg | Pro | Glu | Glu | Thr | Lys | Ser | Gly |
|     |     |     |     | 110 |     |     |     |     | 115 |     |     |     |     | 120 |
| Pro | Phe | Glu | Glu | Lys | Val | Ile | Gln | Val | Arg | Tyr | Asp | Pro | Cys | Arg |
|     |     |     |     | 125 |     |     |     |     | 130 |     |     |     |     | 135 |
| Ser | Ala | Asp | Ile | Ala | Leu | Val | Ala | Gly | Gly | Ser | Arg | Lys | Arg | Trp |
|     |     |     |     | 140 |     |     |     |     | 145 |     |     |     |     | 150 |
| Ile | Ile | Ala | Thr | Glu | Asn | Met | Gln | Ala | Gly | Asp | Thr | Ile | Leu | Asn |
|     |     |     |     | 155 |     |     |     |     | 160 |     |     |     |     | 165 |
| Ser | Asn | His | Ile | Gly | Arg | Met | Ala | Val | Ala | Ala | Arg | Glu | Gly | Asp |
|     |     |     |     | 170 |     |     |     |     | 175 |     |     |     |     | 180 |
| Ala | His | Pro | Leu | Gly | Ala | Leu | Pro | Val | Gly | Thr | Leu | Ile | Asn | Asn |
|     |     |     |     | 185 |     |     |     |     | 190 |     |     |     |     | 195 |
| Val | Glu | Ser | Glu | Pro | Gly | Arg | Gly | Ala | Gln | Tyr | Ile | Arg | Ala | Ala |
|     |     |     |     | 200 |     |     |     |     | 205 |     |     |     |     | 210 |
| Gly | Thr | Cys | Gly | Val | Leu | Leu | Arg | Lys | Val | Asn | Gly | Thr | Ala | Ile |
|     |     |     |     | 215 |     |     |     |     | 220 |     |     |     |     | 225 |

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
| Ile | Gln | Leu | Pro | Ser | Lys | Arg | Gln | Met | Gln | Val | Leu | Glu | Thr | Cys |  |
|     |     |     |     | 230 |     |     |     |     | 235 |     |     |     |     | 240 |  |
| Val | Ala | Thr | Val | Gly | Arg | Val | Ser | Asn | Val | Asp | His | Asn | Lys | Arg |  |
|     |     |     |     | 245 |     |     |     |     | 250 |     |     |     |     | 255 |  |
| Val | Ile | Gly | Lys | Ala | Gly | Arg | Asn | Arg | Trp | Leu | Gly | Lys | Arg | Pro |  |
|     |     |     |     | 260 |     |     |     |     | 265 |     |     |     |     | 270 |  |
| Asn | Ser | Gly | Arg | Trp | His | Arg | Lys | Gly | Gly | Trp | Ala | Gly | Arg | Lys |  |
|     |     |     |     | 275 |     |     |     |     | 280 |     |     |     |     | 285 |  |
| Ile | Arg | Pro | Leu | Pro | Pro | Met | Lys | Ser | Tyr | Val | Lys | Leu | Pro | Ser |  |
|     |     |     |     | 290 |     |     |     |     | 295 |     |     |     |     | 300 |  |
| Ala | Ser | Ala | Gln | Ser |     |     |     |     |     |     |     |     |     |     |  |
|     |     |     |     | 305 |     |     |     |     |     |     |     |     |     |     |  |

<210> 13  
 <211> 230  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte clone 1944530CD1

<400> 13

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
| Met | Gly | Gln | Gln | Ile | Ser | Asp | Gln | Thr | Gln | Leu | Val | Ile | Asn | Lys |  |
| 1   |     |     |     | 5   |     |     |     |     | 10  |     |     |     |     | 15  |  |
| Leu | Pro | Glu | Lys | Val | Ala | Lys | His | Val | Thr | Leu | Val | Arg | Glu | Ser |  |
|     |     |     |     | 20  |     |     |     |     | 25  |     |     |     |     | 30  |  |
| Gly | Ser | Leu | Thr | Tyr | Glu | Glu | Phe | Leu | Gly | Arg | Val | Ala | Glu | Leu |  |
|     |     |     |     | 35  |     |     |     |     | 40  |     |     |     |     | 45  |  |
| Asn | Asp | Val | Thr | Ala | Lys | Val | Ala | Ser | Gly | Gln | Glu | Lys | His | Leu |  |
|     |     |     |     | 50  |     |     |     |     | 55  |     |     |     |     | 60  |  |
| Leu | Phe | Glu | Val | Gln | Pro | Gly | Ser | Asp | Ser | Ser | Ala | Phe | Trp | Lys |  |
|     |     |     |     | 65  |     |     |     |     | 70  |     |     |     |     | 75  |  |
| Val | Val | Val | Arg | Val | Val | Cys | Thr | Lys | Ile | Asn | Lys | Ser | Ser | Gly |  |
|     |     |     |     | 80  |     |     |     |     | 85  |     |     |     |     | 90  |  |
| Ile | Val | Glu | Ala | Ser | Arg | Ile | Met | Asn | Leu | Tyr | Gln | Phe | Ile | Gln |  |
|     |     |     |     | 95  |     |     |     |     | 100 |     |     |     |     | 105 |  |
| Leu | Tyr | Lys | Asp | Ile | Thr | Ser | Gln | Ala | Ala | Gly | Val | Leu | Ala | Gln |  |
|     |     |     |     | 110 |     |     |     |     | 115 |     |     |     |     | 120 |  |
| Ser | Ser | Thr | Ser | Glu | Glu | Pro | Asp | Glu | Asn | Ser | Ser | Ser | Val | Thr |  |
|     |     |     |     | 125 |     |     |     |     | 130 |     |     |     |     | 135 |  |
| Ser | Cys | Gln | Ala | Ser | Leu | Trp | Met | Gly | Arg | Val | Lys | Gln | Leu | Thr |  |
|     |     |     |     | 140 |     |     |     |     | 145 |     |     |     |     | 150 |  |
| Asp | Glu | Glu | Glu | Cys | Cys | Ile | Cys | Met | Asp | Gly | Arg | Ala | Asp | Leu |  |
|     |     |     |     | 155 |     |     |     |     | 160 |     |     |     |     | 165 |  |
| Ile | Leu | Pro | Cys | Ala | His | Ser | Phe | Cys | Gln | Lys | Cys | Ile | Asp | Lys |  |
|     |     |     |     | 170 |     |     |     |     | 175 |     |     |     |     | 180 |  |
| Trp | Ser | Asp | Arg | His | Arg | Asn | Cys | Pro | Ile | Cys | Arg | Leu | Gln | Met |  |
|     |     |     |     | 185 |     |     |     |     | 190 |     |     |     |     | 195 |  |
| Thr | Gly | Ala | Asn | Glu | Ser | Trp | Val | Val | Ser | Asp | Ala | Pro | Thr | Glu |  |
|     |     |     |     | 200 |     |     |     |     | 205 |     |     |     |     | 210 |  |
| Asp | Asp | Met | Ala | Asn | Tyr | Ile | Leu | Asn | Met | Ala | Asp | Glu | Ala | Gly |  |
|     |     |     |     | 215 |     |     |     |     | 220 |     |     |     |     | 225 |  |
| Gln | Pro | His | Arg | Pro |     |     |     |     |     |     |     |     |     |     |  |
|     |     |     |     | 230 |     |     |     |     |     |     |     |     |     |     |  |

<210> 14  
 <211> 292  
 <212> PRT  
 <213> Homo sapiens

<220>

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte clone 2019742CB1

&lt;400&gt; 14

```

Met Ser Gly Met Glu Ala Thr Val Thr Ile Pro Ile Trp Gln Asn
 1          5          10          15
Lys Pro His Gly Ala Ala Arg Ser Val Val Arg Arg Ile Gly Thr
          20          25          30
Asn Leu Pro Leu Lys Pro Cys Ala Arg Ala Ser Phe Glu Thr Leu
          35          40          45
Pro Asn Ile Ser Asp Leu Cys Leu Arg Asp Val Pro Pro Val Pro
          50          55          60
Thr Leu Ala Asp Ile Ala Trp Ile Ala Ala Asp Glu Glu Glu Thr
          65          70          75
Tyr Ala Arg Val Arg Ser Asp Thr Arg Pro Leu Arg His Thr Trp
          80          85          90
Lys Pro Ser Pro Leu Ile Val Met Gln Arg Asn Ala Ser Val Pro
          95          100          105
Asn Leu Arg Gly Ser Glu Glu Arg Leu Leu Ala Leu Lys Lys Pro
          110          115          120
Ala Leu Pro Ala Leu Ser Arg Thr Thr Glu Leu Gln Asp Glu Leu
          125          130          135
Ser His Leu Arg Ser Gln Ile Ala Lys Ile Val Ala Ala Asp Ala
          140          145          150
Ala Ser Ala Ser Leu Thr Pro Asp Phe Leu Ser Pro Gly Ser Ser
          155          160          165
Asn Val Ser Ser Pro Leu Pro Cys Phe Gly Ser Ser Phe His Ser
          170          175          180
Thr Thr Ser Phe Val Ile Ser Asp Ile Thr Glu Glu Thr Glu Val
          185          190          195
Glu Val Pro Glu Leu Pro Ser Val Pro Leu Leu Cys Ser Ala Ser
          200          205          210
Pro Glu Cys Cys Lys Pro Glu His Lys Ala Ala Cys Ser Ser Ser
          215          220          225
Glu Glu Asp Asp Cys Val Ser Leu Ser Lys Ala Ser Ser Phe Ala
          230          235          240
Asp Met Met Gly Ile Leu Lys Asp Phe His Arg Met Lys Gln Ser
          245          250          255
Gln Asp Leu Asn Arg Ser Leu Leu Lys Glu Glu Asp Pro Ala Val
          260          265          270
Leu Ile Ser Glu Val Leu Arg Arg Lys Phe Ala Leu Lys Glu Glu
          275          280          285
Asp Ile Ser Arg Lys Gly Asn
          290

```

&lt;210&gt; 15

&lt;211&gt; 232

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte clone 2056042CD1

&lt;400&gt; 15

```

Met Ala Ser Ser Ala Ala Ser Ser Glu His Phe Glu Lys Leu His
 1          5          10          15
Glu Ile Phe Arg Gly Leu His Glu Asp Leu Gln Gly Val Pro Glu
          20          25          30
Arg Leu Leu Gly Thr Ala Gly Thr Glu Glu Lys Lys Lys Leu Ile
          35          40          45
Arg Asp Phe Asp Glu Lys Gln Gln Glu Ala Asn Glu Thr Leu Ala
          50          55          60

```

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Glu | Met | Glu | Glu | Glu | Leu | Arg | Tyr | Ala | Pro | Leu | Ser | Phe | Arg | Asn |     |
|     |     |     |     | 65  |     |     |     |     | 70  |     |     |     |     |     | 75  |
| Pro | Met | Met | Ser | Lys | Leu | Arg | Asn | Tyr | Arg | Lys | Asp | Leu | Ala | Lys |     |
|     |     |     |     | 80  |     |     |     |     | 85  |     |     |     |     |     | 90  |
| Leu | His | Arg | Glu | Val | Arg | Ser | Thr | Pro | Leu | Thr | Ala | Thr | Pro | Gly |     |
|     |     |     |     | 95  |     |     |     |     | 100 |     |     |     |     |     | 105 |
| Gly | Arg | Gly | Asp | Met | Lys | Tyr | Gly | Ile | Tyr | Ala | Val | Glu | Asn | Glu |     |
|     |     |     |     | 110 |     |     |     |     | 115 |     |     |     |     |     | 120 |
| His | Met | Asn | Arg | Leu | Gln | Ser | Gln | Arg | Ala | Met | Leu | Leu | Gln | Gly |     |
|     |     |     |     | 125 |     |     |     |     | 130 |     |     |     |     |     | 135 |
| Thr | Glu | Ser | Leu | Asn | Arg | Ala | Thr | Gln | Ser | Ile | Glu | Arg | Ser | His |     |
|     |     |     |     | 140 |     |     |     |     | 145 |     |     |     |     |     | 150 |
| Arg | Ile | Ala | Thr | Glu | Thr | Asp | Gln | Ile | Gly | Ser | Glu | Ile | Ile | Glu |     |
|     |     |     |     | 155 |     |     |     |     | 160 |     |     |     |     |     | 165 |
| Glu | Leu | Gly | Glu | Gln | Arg | Asp | Gln | Leu | Glu | Arg | Thr | Lys | Ser | Arg |     |
|     |     |     |     | 170 |     |     |     |     | 175 |     |     |     |     |     | 180 |
| Leu | Val | Asn | Thr | Ser | Glu | Asn | Leu | Ser | Lys | Ser | Arg | Lys | Ile | Leu |     |
|     |     |     |     | 185 |     |     |     |     | 190 |     |     |     |     |     | 195 |
| Arg | Ser | Met | Ser | Arg | Lys | Val | Thr | Thr | Asn | Lys | Leu | Leu | Leu | Ser |     |
|     |     |     |     | 200 |     |     |     |     | 205 |     |     |     |     |     | 210 |
| Ile | Ile | Ile | Leu | Leu | Glu | Leu | Ala | Ile | Leu | Gly | Gly | Leu | Val | Tyr |     |
|     |     |     |     | 215 |     |     |     |     | 220 |     |     |     |     |     | 225 |
| Tyr | Lys | Phe | Phe | Arg | Ser | His |     |     |     |     |     |     |     |     |     |
|     |     |     |     | 230 |     |     |     |     |     |     |     |     |     |     |     |

&lt;210&gt; 16

&lt;211&gt; 376

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;223&gt; Incyte clone 2398682CD1

&lt;400&gt; 16

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
| Met | Arg | Gly | Lys | Thr | Phe | Arg | Phe | Glu | Met | Gln | Arg | Asp | Leu | Val |  |
| 1   |     |     |     | 5   |     |     |     |     | 10  |     |     |     |     | 15  |  |
| Ser | Phe | Pro | Leu | Ser | Pro | Ala | Val | Arg | Val | Lys | Leu | Val | Ser | Ala |  |
|     |     |     |     | 20  |     |     |     |     | 25  |     |     |     |     | 30  |  |
| Gly | Phe | Gln | Thr | Ala | Glu | Glu | Leu | Leu | Glu | Val | Lys | Pro | Ser | Glu |  |
|     |     |     |     | 35  |     |     |     |     | 40  |     |     |     |     | 45  |  |
| Leu | Ser | Lys | Glu | Val | Gly | Ile | Ser | Lys | Ala | Glu | Ala | Leu | Glu | Thr |  |
|     |     |     |     | 50  |     |     |     |     | 55  |     |     |     |     | 60  |  |
| Leu | Gln | Ile | Ile | Arg | Arg | Glu | Cys | Leu | Thr | Asn | Lys | Pro | Arg | Tyr |  |
|     |     |     |     | 65  |     |     |     |     | 70  |     |     |     |     | 75  |  |
| Ala | Gly | Thr | Ser | Glu | Ser | His | Lys | Lys | Cys | Thr | Ala | Leu | Glu | Leu |  |
|     |     |     |     | 80  |     |     |     |     | 85  |     |     |     |     | 90  |  |
| Leu | Glu | Gln | Glu | His | Thr | Gln | Gly | Phe | Ile | Ile | Thr | Phe | Cys | Ser |  |
|     |     |     |     | 95  |     |     |     |     | 100 |     |     |     |     | 105 |  |
| Ala | Leu | Asp | Asp | Ile | Leu | Gly | Gly | Gly | Val | Pro | Leu | Met | Lys | Thr |  |
|     |     |     |     | 110 |     |     |     |     | 115 |     |     |     |     | 120 |  |
| Thr | Glu | Ile | Cys | Gly | Ala | Pro | Gly | Val | Gly | Lys | Thr | Gln | Leu | Cys |  |
|     |     |     |     | 125 |     |     |     |     | 130 |     |     |     |     | 135 |  |
| Met | Gln | Leu | Ala | Val | Asp | Val | Gln | Ile | Pro | Glu | Cys | Phe | Gly | Gly |  |
|     |     |     |     | 140 |     |     |     |     | 145 |     |     |     |     | 150 |  |
| Val | Ala | Gly | Glu | Ala | Val | Phe | Ile | Asp | Thr | Glu | Gly | Ser | Phe | Met |  |
|     |     |     |     | 155 |     |     |     |     | 160 |     |     |     |     | 165 |  |
| Val | Asp | Arg | Val | Val | Asp | Leu | Ala | Thr | Ala | Cys | Ile | Gln | His | Leu |  |
|     |     |     |     | 170 |     |     |     |     | 175 |     |     |     |     | 180 |  |
| Gln | Leu | Ile | Ala | Glu | Lys | His | Lys | Gly | Glu | Glu | His | Arg | Lys | Ala |  |
|     |     |     |     | 185 |     |     |     |     | 190 |     |     |     |     | 195 |  |



|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Leu | Glu | Asp | Phe | Thr | Leu | Asp | Asn | Ile | Leu | Ser | His | Ile | Tyr | Tyr |
|     |     |     |     | 200 |     |     |     |     |     | 205 |     |     |     | 210 |
| Phe | Arg | Cys | Arg | Asp | Tyr | Thr | Glu | Leu | Leu | Ala | Gln | Val | Tyr | Leu |
|     |     |     |     | 215 |     |     |     |     |     | 220 |     |     |     | 225 |
| Leu | Pro | Asp | Phe | Leu | Ser | Glu | His | Ser | Lys | Val | Arg | Leu | Val | Ile |
|     |     |     |     | 230 |     |     |     |     |     | 235 |     |     |     | 240 |
| Val | Asp | Gly | Ile | Ala | Phe | Pro | Phe | Arg | His | Asp | Leu | Asp | Asp | Leu |
|     |     |     |     | 245 |     |     |     |     |     | 250 |     |     |     | 255 |
| Ser | Leu | Arg | Thr | Arg | Leu | Leu | Asn | Gly | Leu | Ala | Gln | Gln | Met | Ile |
|     |     |     |     | 260 |     |     |     |     |     | 265 |     |     |     | 270 |
| Ser | Leu | Ala | Asn | Asn | His | Arg | Leu | Ala | Val | Ile | Leu | Thr | Asn | Gln |
|     |     |     |     | 275 |     |     |     |     |     | 280 |     |     |     | 285 |
| Met | Thr | Thr | Lys | Ile | Asp | Arg | Asn | Gln | Ala | Leu | Leu | Val | Pro | Ala |
|     |     |     |     | 290 |     |     |     |     |     | 295 |     |     |     | 300 |
| Leu | Gly | Glu | Ser | Trp | Gly | His | Ala | Ala | Thr | Ile | Arg | Leu | Ile | Phe |
|     |     |     |     | 305 |     |     |     |     |     | 310 |     |     |     | 315 |
| His | Trp | Asp | Arg | Lys | Gln | Arg | Leu | Ala | Thr | Leu | Tyr | Lys | Ser | Pro |
|     |     |     |     | 320 |     |     |     |     |     | 325 |     |     |     | 330 |
| Ser | Gln | Lys | Glu | Cys | Thr | Val | Leu | Phe | Gln | Ile | Lys | Pro | Gln | Gly |
|     |     |     |     | 335 |     |     |     |     |     | 340 |     |     |     | 345 |
| Phe | Arg | Asp | Thr | Val | Val | Thr | Ser | Ala | Cys | Ser | Leu | Gln | Thr | Glu |
|     |     |     |     | 350 |     |     |     |     |     | 355 |     |     |     | 360 |
| Gly | Ser | Leu | Ser | Thr | Arg | Lys | Arg | Ser | Arg | Asp | Pro | Glu | Glu | Glu |
|     |     |     |     | 365 |     |     |     |     |     | 370 |     |     |     | 375 |
| Leu |     |     |     |     |     |     |     |     |     |     |     |     |     |     |

&lt;210&gt; 17

&lt;211&gt; 204

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte clone 2518753CD1

&lt;400&gt; 17

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Met | Ala | Lys | Val | Gln | Val | Asn | Asn | Val | Val | Val | Leu | Asp | Asn | Pro |
| 1   |     |     |     | 5   |     |     |     |     |     | 10  |     |     |     | 15  |
| Ser | Pro | Phe | Tyr | Asn | Pro | Phe | Gln | Phe | Glu | Ile | Thr | Phe | Glu | Cys |
|     |     |     |     | 20  |     |     |     |     |     | 25  |     |     |     | 30  |
| Ile | Glu | Asp | Leu | Ser | Glu | Asp | Leu | Glu | Trp | Lys | Ile | Ile | Tyr | Val |
|     |     |     |     | 35  |     |     |     |     |     | 40  |     |     |     | 45  |
| Gly | Ser | Ala | Glu | Ser | Glu | Glu | Tyr | Asp | Gln | Val | Leu | Asp | Ser | Val |
|     |     |     |     | 50  |     |     |     |     |     | 55  |     |     |     | 60  |
| Leu | Val | Gly | Pro | Val | Pro | Ala | Gly | Arg | His | Met | Phe | Val | Phe | Gln |
|     |     |     |     | 65  |     |     |     |     |     | 70  |     |     |     | 75  |
| Ala | Asp | Ala | Pro | Asn | Pro | Gly | Leu | Ile | Pro | Asp | Ala | Asp | Ala | Val |
|     |     |     |     | 80  |     |     |     |     |     | 85  |     |     |     | 90  |
| Gly | Val | Thr | Val | Val | Leu | Ile | Thr | Cys | Thr | Tyr | Arg | Gly | Gln | Glu |
|     |     |     |     | 95  |     |     |     |     |     | 100 |     |     |     | 105 |
| Phe | Ile | Arg | Val | Gly | Tyr | Tyr | Val | Asn | Asn | Glu | Tyr | Thr | Glu | Thr |
|     |     |     |     | 110 |     |     |     |     |     | 115 |     |     |     | 120 |
| Glu | Leu | Arg | Glu | Asn | Pro | Pro | Val | Lys | Pro | Asp | Phe | Ser | Lys | Leu |
|     |     |     |     | 125 |     |     |     |     |     | 130 |     |     |     | 135 |
| Gln | Arg | Asn | Ile | Leu | Ala | Ser | Asn | Pro | Arg | Val | Thr | Arg | Phe | His |
|     |     |     |     | 140 |     |     |     |     |     | 145 |     |     |     | 150 |
| Ile | Asn | Trp | Glu | Asp | Asn | Thr | Glu | Lys | Leu | Glu | Asp | Ala | Glu | Ser |
|     |     |     |     | 155 |     |     |     |     |     | 160 |     |     |     | 165 |
| Ser | Asn | Pro | Asn | Gln | Ser | Leu | Leu | Ser | Thr | Asp | Ala | Leu | Pro |     |
|     |     |     |     | 170 |     |     |     |     |     | 175 |     |     |     | 180 |
| Ser | Ala | Ser | Lys | Gly | Trp | Ser | Thr | Ser | Glu | Asn | Ser | Leu | Asn | Val |
|     |     |     |     | 185 |     |     |     |     |     | 190 |     |     |     | 195 |
| Met | Leu | Glu | Ser | His | Met | Asp | Cys | Met |     |     |     |     |     |     |

<210> 18  
 <211> 713  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte clone 2709055CD1

<400> 18  
 Met Tyr Leu Leu Ile Gln Met Cys Tyr His Leu Ala Leu Pro Trp  
 1 5 10 15  
 Tyr Ser Lys Tyr Phe Pro Tyr Leu Ala Leu Ile His Thr Ile Ile  
 20 25 30  
 Leu Met Ala Ser Ser Asn Phe Trp Phe Lys Tyr Pro Lys Thr Cys  
 35 40 45  
 Ser Lys Val Glu His Ser Val Ser Ile Leu Gly Lys Cys Phe Glu  
 50 55 60  
 Ser Pro Trp Thr Thr Lys Ala Leu Ser Glu Thr Ala Cys Glu Asp  
 65 70 75  
 Ser Glu Glu Asn Lys Gln Arg Ile Thr Gly Ala Gln Thr Leu Pro  
 80 85 90  
 Lys His Val Ser Thr Ser Ser Asp Glu Gly Ser Pro Ser Ala Ser  
 95 100 105  
 Thr Pro Met Ile Asn Lys Thr Gly Phe Lys Phe Ser Ala Glu Lys  
 110 115 120  
 Pro Val Ile Glu Val Pro Ser Met Thr Ile Leu Asp Lys Lys Asp  
 125 130 135  
 Gly Glu Gln Ala Lys Ala Leu Phe Glu Lys Val Arg Lys Phe Arg  
 140 145 150  
 Ala His Val Glu Asp Ser Asp Leu Ile Tyr Lys Leu Tyr Val Val  
 155 160 165  
 Gln Thr Val Ile Lys Thr Ala Lys Phe Ile Phe Ile Leu Cys Tyr  
 170 175 180  
 Thr Ala Asn Phe Val Asn Ala Ile Ser Phe Glu His Val Cys Lys  
 185 190 195  
 Pro Lys Val Glu His Leu Ile Gly Tyr Glu Val Phe Glu Cys Thr  
 200 205 210  
 His Asn Met Ala Tyr Met Leu Lys Lys Leu Leu Ile Ser Tyr Ile  
 215 220 225  
 Ser Ile Ile Cys Val Tyr Gly Phe Ile Cys Leu Tyr Thr Leu Phe  
 230 235 240  
 Trp Leu Phe Arg Ile Pro Leu Lys Glu Tyr Ser Phe Glu Lys Val  
 245 250 255  
 Arg Glu Glu Ser Ser Phe Ser Asp Ile Pro Asp Val Lys Asn Asp  
 260 265 270  
 Phe Ala Phe Leu Leu His Met Val Asp Gln Tyr Asp Gln Leu Tyr  
 275 280 285  
 Ser Lys Arg Phe Gly Val Phe Leu Ser Glu Val Ser Glu Asn Lys  
 290 295 300  
 Leu Arg Glu Ile Ser Leu Asn His Glu Trp Thr Phe Glu Lys Leu  
 305 310 315  
 Arg Gln His Ile Ser Arg Asn Ala Gln Asp Lys Gln Glu Leu His  
 320 325 330  
 Leu Phe Met Leu Ser Gly Val Pro Asp Ala Val Phe Asp Leu Thr  
 335 340 345  
 Asp Leu Asp Val Leu Lys Leu Glu Leu Ile Pro Glu Ala Lys Ile  
 350 355 360  
 Pro Ala Lys Ile Ser Gln Met Thr Asn Leu Gln Glu Leu His Leu  
 365 370 375  
 Cys His Cys Pro Ala Lys Val Glu Gln Thr Ala Phe Ser Phe Leu

|                 |                     |                     |
|-----------------|---------------------|---------------------|
| 380             | 385                 | 390                 |
| Arg Asp His Leu | Arg Cys Leu His Val | Lys Phe Thr Asp Val |
| 395             | 400                 | 405                 |
| Glu Ile Pro Ala | Trp Val Tyr Leu Leu | Lys Asn Leu Arg Glu |
| 410             | 415                 | 420                 |
| Tyr Leu Ile Gly | Asn Leu Asn Ser Glu | Asn Asn Lys Met Ile |
| 425             | 430                 | 435                 |
| Leu Glu Ser Leu | Arg Glu Leu Arg His | Leu Lys Ile Leu His |
| 440             | 445                 | 450                 |
| Lys Ser Asn Leu | Thr Lys Val Pro Ser | Asn Ile Thr Asp Val |
| 455             | 460                 | 465                 |
| Pro His Leu Thr | Lys Leu Val Ile His | Asn Asp Gly Thr Lys |
| 470             | 475                 | 480                 |
| Leu Val Leu Asn | Ser Leu Lys Lys Met | Met Asn Val Ala Glu |
| 485             | 490                 | 495                 |
| Glu Leu Gln Asn | Cys Glu Leu Glu Arg | Ile Pro His Ala Ile |
| 500             | 505                 | 510                 |
| Ser Leu Ser Asn | Leu Gln Glu Leu Asp | Leu Lys Ser Asn Asn |
| 515             | 520                 | 525                 |
| Arg Thr Ile Glu | Glu Ile Ile Ser Phe | Gln His Leu Lys Arg |
| 530             | 535                 | 540                 |
| Thr Cys Leu Lys | Leu Trp His Asn Lys | Ile Val Thr Ile Pro |
| 545             | 550                 | 555                 |
| Ser Ile Thr His | Val Lys Asn Leu Glu | Ser Leu Tyr Phe Ser |
| 560             | 565                 | 570                 |
| Asn Lys Leu Glu | Ser Leu Pro Val Ala | Val Phe Ser Leu Gln |
| 575             | 580                 | 585                 |
| Leu Arg Cys Leu | Asp Val Ser Tyr Asn | Asn Ile Ser Met Ile |
| 590             | 595                 | 600                 |
| Ile Glu Ile Gly | Leu Leu Gln Asn Leu | Gln His Leu His Ile |
| 605             | 610                 | 615                 |
| Gly Asn Lys Val | Asp Ile Leu Pro Lys | Gln Leu Phe Lys Cys |
| 620             | 625                 | 630                 |
| Lys Leu Arg Thr | Leu Asn Leu Gly Gln | Asn Cys Ile Thr Ser |
| 635             | 640                 | 645                 |
| Pro Glu Lys Val | Gly Gln Leu Ser Gln | Leu Thr Gln Leu Glu |
| 650             | 655                 | 660                 |
| Lys Gly Asn Cys | Leu Asp Arg Leu Pro | Ala Gln Leu Gly Gln |
| 665             | 670                 | 675                 |
| Arg Met Leu Lys | Lys Ser Gly Leu Val | Val Glu Asp His Leu |
| 680             | 685                 | 690                 |
| Asp Thr Leu Pro | Leu Glu Val Lys Glu | Ala Leu Asn Gln Asp |
| 695             | 700                 | 705                 |
| Asn Ile Pro Phe | Ala Asn Gly Ile     |                     |
| 710             |                     |                     |

<210> 19  
 <211> 360  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte clone 2724537CD1

<400> 19  
 Met Ala Ser Leu Leu Ala Lys Asp Ala Tyr Leu Gln Ser Leu Ala  
 1 5 10 15  
 Lys Lys Ile Cys Ser His Ser Ala Pro Glu Gln Gln Ala Arg Thr  
 20 25 30  
 Arg Ala Gly Lys Thr Gln Gly Ser Glu Thr Ala Gly Pro Pro Lys  
 35 40 45  
 Lys Lys Arg Lys Lys Thr Gln Lys Lys Phe Arg Lys Arg Glu Glu

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |    |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|----|
| Lys | Ala | Ala | Glu | His | Lys | Ala | Lys | Ser | Leu | Gly | Glu | Lys | Ser | Pro | 50 | 55  | 60 |
|     |     |     |     | 65  |     |     |     |     | 70  |     |     |     |     |     |    | 75  |    |
| Ala | Ala | Ser | Gly | Ala | Arg | Arg | Pro | Glu | Ala | Ala | Lys | Glu | Glu | Ala |    |     |    |
|     |     |     |     | 80  |     |     |     |     | 85  |     |     |     |     |     |    | 90  |    |
| Ala | Trp | Ala | Ser | Ser | Ser | Ala | Gly | Asn | Pro | Ala | Asp | Gly | Leu | Ala |    |     |    |
|     |     |     |     | 95  |     |     |     |     | 100 |     |     |     |     |     |    | 105 |    |
| Thr | Glu | Pro | Glu | Ser | Val | Phe | Ala | Leu | Asp | Val | Leu | Arg | Gln | Arg |    |     |    |
|     |     |     |     | 110 |     |     |     |     | 115 |     |     |     |     |     |    | 120 |    |
| Leu | His | Glu | Lys | Ile | Gln | Glu | Ala | Arg | Gly | Gln | Gly | Ser | Ala | Lys |    |     |    |
|     |     |     |     | 125 |     |     |     |     | 130 |     |     |     |     |     |    | 135 |    |
| Glu | Leu | Ser | Pro | Ala | Ala | Leu | Glu | Lys | Arg | Arg | Arg | Arg | Lys | Gln |    |     |    |
|     |     |     |     | 140 |     |     |     |     | 145 |     |     |     |     |     |    | 150 |    |
| Glu | Arg | Asp | Arg | Lys | Lys | Arg | Lys | Arg | Lys | Glu | Leu | Arg | Ala | Lys |    |     |    |
|     |     |     |     | 155 |     |     |     |     | 160 |     |     |     |     |     |    | 165 |    |
| Glu | Lys | Ala | Arg | Lys | Ala | Glu | Glu | Ala | Thr | Glu | Ala | Gln | Glu | Val |    |     |    |
|     |     |     |     | 170 |     |     |     |     | 175 |     |     |     |     |     |    | 180 |    |
| Val | Glu | Ala | Thr | Pro | Glu | Gly | Ala | Cys | Thr | Glu | Pro | Arg | Glu | Pro |    |     |    |
|     |     |     |     | 185 |     |     |     |     | 190 |     |     |     |     |     |    | 195 |    |
| Pro | Gly | Leu | Ile | Phe | Asn | Lys | Val | Glu | Val | Ser | Glu | Asp | Glu | Pro |    |     |    |
|     |     |     |     | 200 |     |     |     |     | 205 |     |     |     |     |     |    | 210 |    |
| Ala | Ser | Lys | Ala | Gln | Arg | Arg | Lys | Glu | Lys | Arg | Gln | Arg | Val | Lys |    |     |    |
|     |     |     |     | 215 |     |     |     |     | 220 |     |     |     |     |     |    | 225 |    |
| Gly | Asn | Leu | Thr | Pro | Leu | Thr | Gly | Arg | Asn | Tyr | Arg | Gln | Leu | Leu |    |     |    |
|     |     |     |     | 230 |     |     |     |     | 235 |     |     |     |     |     |    | 240 |    |
| Glu | Arg | Leu | Gln | Ala | Arg | Gln | Ser | Arg | Leu | Asp | Glu | Leu | Arg | Gly |    |     |    |
|     |     |     |     | 245 |     |     |     |     | 250 |     |     |     |     |     |    | 255 |    |
| Gln | Asp | Glu | Gly | Lys | Ala | Gln | Glu | Leu | Glu | Ala | Lys | Met | Lys | Trp |    |     |    |
|     |     |     |     | 260 |     |     |     |     | 265 |     |     |     |     |     |    | 270 |    |
| Thr | Asn | Leu | Leu | Tyr | Lys | Ala | Glu | Gly | Val | Lys | Ile | Arg | Asp | Asp |    |     |    |
|     |     |     |     | 275 |     |     |     |     | 280 |     |     |     |     |     |    | 285 |    |
| Glu | Arg | Leu | Leu | Gln | Glu | Ala | Leu | Lys | Arg | Lys | Glu | Lys | Arg | Arg |    |     |    |
|     |     |     |     | 290 |     |     |     |     | 295 |     |     |     |     |     |    | 300 |    |
| Ala | Gln | Arg | Gln | Arg | Arg | Trp | Glu | Lys | Arg | Thr | Ala | Gly | Val | Val |    |     |    |
|     |     |     |     | 305 |     |     |     |     | 310 |     |     |     |     |     |    | 315 |    |
| Glu | Lys | Met | Gln | Gln | Arg | Gln | Asp | Arg | Arg | Arg | Gln | Asn | Leu | Arg |    |     |    |
|     |     |     |     | 320 |     |     |     |     | 325 |     |     |     |     |     |    | 330 |    |
| Arg | Lys | Lys | Ala | Ala | Arg | Ala | Glu | Arg | Arg | Leu | Leu | Arg | Ala | Arg |    |     |    |
|     |     |     |     | 335 |     |     |     |     | 340 |     |     |     |     |     |    | 345 |    |
| Lys | Lys | Gly | Arg | Ile | Leu | Pro | Gln | Asp | Leu | Glu | Arg | Ala | Gly | Leu |    |     |    |
|     |     |     |     | 350 |     |     |     |     | 355 |     |     |     |     |     |    | 360 |    |

&lt;210&gt; 20

&lt;211&gt; 196

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte clone 025818CD1

&lt;400&gt; 20

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |  |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|--|--|
| Met | Pro | Ala | Asp | Ile | Met | Glu | Lys | Asn | Ser | Ser | Ser | Pro | Val | Ala |  |  |  |
| 1   |     |     |     | 5   |     |     |     |     | 10  |     |     |     |     | 15  |  |  |  |
| Ala | Thr | Pro | Ala | Ser | Val | Asn | Thr | Thr | Pro | Asp | Lys | Pro | Lys | Thr |  |  |  |
|     |     |     |     | 20  |     |     |     |     | 25  |     |     |     |     | 30  |  |  |  |
| Ala | Ser | Glu | His | Arg | Lys | Ser | Ser | Lys | Pro | Ile | Met | Glu | Lys | Arg |  |  |  |
|     |     |     |     | 35  |     |     |     |     | 40  |     |     |     |     | 45  |  |  |  |
| Arg | Arg | Ala | Arg | Ile | Asn | Glu | Ser | Leu | Ser | Gln | Leu | Lys | Thr | Leu |  |  |  |
|     |     |     |     | 50  |     |     |     |     | 55  |     |     |     |     | 60  |  |  |  |
| Ile | Leu | Asp | Ala | Leu | Lys | Lys | Asp | Ser | Ser | Arg | His | Ser | Lys | Leu |  |  |  |

|                 |                     |                 |                     |     |     |
|-----------------|---------------------|-----------------|---------------------|-----|-----|
|                 | 65                  |                 | 70                  |     | 75  |
| Glu Lys Ala Asp | Ile                 | Leu Glu Met Thr | Val Lys His Leu Arg | Asn |     |
|                 | 80                  |                 | 85                  |     | 90  |
| Leu Gln Arg Ala | Gln Met Thr Ala Ala | Leu Ser Thr Asp | Pro Ser             |     |     |
|                 | 95                  |                 | 100                 |     | 105 |
| Val Leu Gly Lys | Tyr Arg Ala Gly Phe | Ser Glu Cys Met | Asn Glu             |     |     |
|                 | 110                 |                 | 115                 |     | 120 |
| Val Thr Arg Phe | Leu Ser Ser Pro Ser | Thr Pro Ala Thr | Ala Ala             |     |     |
|                 | 125                 |                 | 130                 |     | 135 |
| Pro Pro Trp Ala | Pro Thr Gln Cys His | Leu Pro Ala Ala | Pro Arg             |     |     |
|                 | 140                 |                 | 145                 |     | 150 |
| Leu Arg Arg Thr | Pro Cys Gly Gly Arg | Gly Gly Thr Glu | Gly Ala             |     |     |
|                 | 155                 |                 | 160                 |     | 165 |
| Gln Ala Thr Pro | Pro Pro Lys Leu Pro | Asn Pro Pro Leu | Phe Pro             |     |     |
|                 | 170                 |                 | 175                 |     | 180 |
| Pro Asp Ser Lys | Gln Glu Leu Glu Tyr | Trp Glu Arg Arg | Gly Leu             |     |     |
|                 | 185                 |                 | 190                 |     | 195 |
| Phe             |                     |                 |                     |     |     |

<210> 21  
 <211> 540  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte clone 438283CD1

<400> 21

|   |                     |
|---|---------------------|
| Met Leu Arg Glu Glu Ala Thr Lys Lys Ser | Lys Glu Lys Glu Pro |
| 1 5 10                                  | 15                  |
| Gly Met Ala Leu Pro Gln Gly Arg Leu Ala | Phe Arg Asp Val Ala |
| 20 25                                   | 30                  |
| Ile Glu Phe Ser Leu Glu Glu Trp Lys Cys | Leu Asn Pro Ala Gln |
| 35 40                                   | 45                  |
| Arg Ala Leu Tyr Arg Ala Val Met Leu Glu | Asn Tyr Arg Asn Leu |
| 50 55                                   | 60                  |
| Glu Phe Val Asp Ser Ser Leu Lys Ser Met | Met Glu Phe Ser Ser |
| 65 70                                   | 75                  |
| Thr Arg His Ser Asn Thr Gly Glu Val Ile | His Thr Gly Thr Leu |
| 80 85                                   | 90                  |
| Gln Arg His Lys Ser His His Ile Gly Asp | Phe Cys Phe Pro Glu |
| 95 100                                  | 105                 |
| Met Lys Lys Asp Ile His His Phe Glu Phe | Gln Trp Gln Glu Val |
| 110 115                                 | 120                 |
| Glu Arg Asn Gly His Glu Ala Pro Met Thr | Lys Ile Lys Lys Leu |
| 125 130                                 | 135                 |
| Thr Gly Ser Thr Asp Arg Ser Asp His Arg | His Ala Gly Asn Lys |
| 140 145                                 | 150                 |
| Pro Ile Lys Asp Gln Leu Gly Leu Ser Phe | His Ser His Leu Pro |
| 155 160                                 | 165                 |
| Glu Leu His Met Phe Gln Thr Lys Gly Lys | Ile Ser Asn Gln Leu |
| 170 175                                 | 180                 |
| Asp Lys Ser Ile Ser Gly Ala Ser Ser Ala | Ser Glu Ser Gln Arg |
| 185 190                                 | 195                 |
| Ile Ser Cys Arg Leu Lys Thr His Ile Ser | Asn Lys Tyr Gly Lys |
| 200 205                                 | 210                 |
| Asn Phe Leu His Ser Ser Phe Thr Gln Ile | Gln Glu Ile Cys Met |
| 215 220                                 | 225                 |
| Arg Glu Lys Pro Cys Gln Ser Asn Glu Cys | Gly Lys Ala Phe Asn |
| 230 235                                 | 240                 |

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
| Tyr | Ser | Ser | Leu | Leu | Arg | Arg | His | His | Ile | Thr | His | Ser | Arg | Glu |  |
|     |     |     |     | 245 |     |     |     |     | 250 |     |     |     |     | 255 |  |
| Arg | Glu | Tyr | Lys | Cys | Asp | Val | Cys | Gly | Lys | Ile | Phe | Asn | Gln | Lys |  |
|     |     |     |     | 260 |     |     |     |     | 265 |     |     |     |     | 270 |  |
| Gln | Tyr | Ile | Val | Tyr | His | His | Arg | Cys | His | Thr | Gly | Glu | Lys | Thr |  |
|     |     |     |     | 275 |     |     |     |     | 280 |     |     |     |     | 285 |  |
| Tyr | Lys | Cys | Asn | Glu | Cys | Gly | Lys | Thr | Phe | Thr | Gln | Met | Ser | Ser |  |
|     |     |     |     | 290 |     |     |     |     | 295 |     |     |     |     | 300 |  |
| Leu | Val | Cys | His | Arg | Arg | Leu | His | Thr | Gly | Glu | Lys | Pro | Tyr | Lys |  |
|     |     |     |     | 305 |     |     |     |     | 310 |     |     |     |     | 315 |  |
| Cys | Asn | Glu | Cys | Gly | Lys | Thr | Phe | Ser | Glu | Lys | Ser | Ser | Leu | Arg |  |
|     |     |     |     | 320 |     |     |     |     | 325 |     |     |     |     | 330 |  |
| Cys | His | Arg | Arg | Leu | His | Thr | Gly | Glu | Lys | Pro | Tyr | Lys | Cys | Asn |  |
|     |     |     |     | 335 |     |     |     |     | 340 |     |     |     |     | 345 |  |
| Glu | Cys | Gly | Lys | Thr | Phe | Gly | Arg | Asn | Ser | Ala | Leu | Val | Ile | His |  |
|     |     |     |     | 350 |     |     |     |     | 355 |     |     |     |     | 360 |  |
| Lys | Ala | Ile | His | Thr | Gly | Glu | Lys | Pro | Tyr | Lys | Cys | Asn | Glu | Cys |  |
|     |     |     |     | 365 |     |     |     |     | 370 |     |     |     |     | 375 |  |
| Gly | Lys | Thr | Phe | Ser | Gln | Lys | Ser | Ser | Leu | Gln | Cys | His | His | Ile |  |
|     |     |     |     | 380 |     |     |     |     | 385 |     |     |     |     | 390 |  |
| Leu | His | Thr | Gly | Glu | Lys | Pro | Tyr | Lys | Cys | Glu | Glu | Cys | Asp | Asn |  |
|     |     |     |     | 395 |     |     |     |     | 400 |     |     |     |     | 405 |  |
| Val | Tyr | Ile | Arg | Arg | Ser | His | Leu | Glu | Arg | His | Arg | Lys | Ile | His |  |
|     |     |     |     | 410 |     |     |     |     | 415 |     |     |     |     | 420 |  |
| Thr | Gly | Glu | Gly | Ser | Tyr | Lys | Cys | Lys | Val | Cys | Asp | Lys | Ala | Phe |  |
|     |     |     |     | 425 |     |     |     |     | 430 |     |     |     |     | 435 |  |
| Arg | Ser | Asp | Ser | Cys | Leu | Ala | Asn | His | Thr | Arg | Val | His | Thr | Gly |  |
|     |     |     |     | 440 |     |     |     |     | 445 |     |     |     |     | 450 |  |
| Glu | Lys | Pro | Tyr | Lys | Cys | Asn | Lys | Cys | Ala | Lys | Val | Phe | Asn | Gln |  |
|     |     |     |     | 455 |     |     |     |     | 460 |     |     |     |     | 465 |  |
| Lys | Gly | Ile | Leu | Ala | Gln | His | Gln | Arg | Val | His | Thr | Gly | Glu | Lys |  |
|     |     |     |     | 470 |     |     |     |     | 475 |     |     |     |     | 480 |  |
| Pro | Tyr | Lys | Cys | Asn | Glu | Cys | Gly | Lys | Val | Phe | Asn | Gln | Lys | Ala |  |
|     |     |     |     | 485 |     |     |     |     | 490 |     |     |     |     | 495 |  |
| Ser | Leu | Ala | Lys | His | Gln | Arg | Val | His | Thr | Ala | Glu | Lys | Pro | Tyr |  |
|     |     |     |     | 500 |     |     |     |     | 505 |     |     |     |     | 510 |  |
| Lys | Cys | Asn | Glu | Cys | Gly | Lys | Ala | Phe | Thr | Gly | Gln | Ser | Thr | Leu |  |
|     |     |     |     | 515 |     |     |     |     | 520 |     |     |     |     | 525 |  |
| Ile | His | His | Gln | Ala | Ile | His | Gly | Cys | Arg | Glu | Thr | Leu | Gln | Met |  |
|     |     |     |     | 530 |     |     |     |     | 535 |     |     |     |     | 540 |  |

&lt;210&gt; 22

&lt;211&gt; 549

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte clone 619699CD1

&lt;400&gt; 22

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
| Met | Leu | Glu | Asn | Tyr | Lys | Asn | Leu | Ala | Thr | Val | Gly | Tyr | Gln | Leu |  |
|     |     |     |     | 5   |     |     |     |     | 10  |     |     |     |     | 15  |  |
| Phe | Lys | Pro | Ser | Leu | Ile | Ser | Trp | Leu | Glu | Gln | Glu | Glu | Ser | Arg |  |
|     |     |     |     | 20  |     |     |     |     | 25  |     |     |     |     | 30  |  |
| Thr | Val | Gln | Arg | Gly | Asp | Phe | Gln | Ala | Ser | Glu | Trp | Lys | Val | Gln |  |
|     |     |     |     | 35  |     |     |     |     | 40  |     |     |     |     | 45  |  |
| Leu | Lys | Thr | Lys | Glu | Leu | Ala | Leu | Gln | Gln | Asp | Val | Leu | Gly | Glu |  |
|     |     |     |     | 50  |     |     |     |     | 55  |     |     |     |     | 60  |  |
| Pro | Thr | Ser | Ser | Gly | Ile | Gln | Met | Ile | Gly | Ser | His | Asn | Gly | Gly |  |
|     |     |     |     | 65  |     |     |     |     | 70  |     |     |     |     | 75  |  |
| Glu | Val | Ser | Asp | Val | Lys | Gln | Cys | Gly | Asp | Val | Ser | Ser | Glu | His |  |
|     |     |     |     | 80  |     |     |     |     | 85  |     |     |     |     | 90  |  |

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Ser | Cys | Leu | Lys | Thr | His | Val | Arg | Thr | Gln | Asn | Ser | Glu | Asn | Thr |
|     |     |     |     | 95  |     |     |     |     | 100 |     |     |     |     | 105 |
| Phe | Glu | Cys | Tyr | Leu | Tyr | Gly | Val | Asp | Phe | Leu | Thr | Leu | His | Lys |
|     |     |     |     | 110 |     |     |     |     | 115 |     |     |     |     | 120 |
| Lys | Thr | Ser | Thr | Gly | Glu | Gln | Arg | Ser | Val | Phe | Ser | Gln | Cys | Gly |
|     |     |     |     | 125 |     |     |     |     | 130 |     |     |     |     | 135 |
| Lys | Ala | Phe | Ser | Leu | Asn | Pro | Asp | Val | Val | Cys | Gln | Arg | Thr | Cys |
|     |     |     |     | 140 |     |     |     |     | 145 |     |     |     |     | 150 |
| Thr | Gly | Glu | Lys | Ala | Phe | Asp | Cys | Ser | Asp | Ser | Gly | Lys | Ser | Phe |
|     |     |     |     | 155 |     |     |     |     | 160 |     |     |     |     | 165 |
| Ile | Asn | His | Ser | His | Leu | Gln | Gly | His | Leu | Arg | Thr | His | Asn | Gly |
|     |     |     |     | 170 |     |     |     |     | 175 |     |     |     |     | 180 |
| Glu | Ser | Leu | His | Glu | Trp | Lys | Glu | Cys | Gly | Arg | Gly | Phe | Ile | His |
|     |     |     |     | 185 |     |     |     |     | 190 |     |     |     |     | 195 |
| Ser | Thr | Asp | Leu | Ala | Val | Arg | Ile | Gln | Thr | His | Arg | Ser | Glu | Lys |
|     |     |     |     | 200 |     |     |     |     | 205 |     |     |     |     | 210 |
| Pro | Tyr | Lys | Cys | Lys | Glu | Cys | Gly | Lys | Gly | Phe | Arg | Tyr | Ser | Ala |
|     |     |     |     | 215 |     |     |     |     | 220 |     |     |     |     | 225 |
| Tyr | Leu | Asn | Ile | His | Met | Gly | Thr | His | Thr | Gly | Asp | Asn | Pro | Tyr |
|     |     |     |     | 230 |     |     |     |     | 235 |     |     |     |     | 240 |
| Glu | Cys | Lys | Glu | Cys | Gly | Lys | Ala | Phe | Thr | Arg | Ser | Cys | Gln | Leu |
|     |     |     |     | 245 |     |     |     |     | 250 |     |     |     |     | 255 |
| Thr | Gln | His | Arg | Lys | Thr | His | Thr | Gly | Glu | Lys | Pro | Tyr | Lys | Cys |
|     |     |     |     | 260 |     |     |     |     | 265 |     |     |     |     | 270 |
| Lys | Asp | Cys | Gly | Arg | Ala | Phe | Thr | Val | Ser | Ser | Cys | Leu | Ser | Gln |
|     |     |     |     | 275 |     |     |     |     | 280 |     |     |     |     | 285 |
| His | Met | Lys | Ile | His | Val | Gly | Glu | Lys | Pro | Tyr | Glu | Cys | Lys | Glu |
|     |     |     |     | 290 |     |     |     |     | 295 |     |     |     |     | 300 |
| Cys | Gly | Ile | Ala | Phe | Thr | Arg | Ser | Ser | Gln | Leu | Thr | Glu | His | Leu |
|     |     |     |     | 305 |     |     |     |     | 310 |     |     |     |     | 315 |
| Lys | Thr | His | Thr | Ala | Lys | Asp | Pro | Phe | Glu | Cys | Lys | Val | Cys | Gly |
|     |     |     |     | 320 |     |     |     |     | 325 |     |     |     |     | 330 |
| Lys | Ser | Phe | Arg | Asn | Ser | Ser | Cys | Leu | Ser | Asp | His | Phe | Arg | Ile |
|     |     |     |     | 335 |     |     |     |     | 340 |     |     |     |     | 345 |
| His | Thr | Gly | Ile | Lys | Pro | Tyr | Lys | Cys | Lys | Asp | Cys | Gly | Lys | Ala |
|     |     |     |     | 350 |     |     |     |     | 355 |     |     |     |     | 360 |
| Phe | Thr | Gln | Asn | Ser | Asp | Leu | Thr | Lys | His | Ala | Arg | Thr | His | Ser |
|     |     |     |     | 365 |     |     |     |     | 370 |     |     |     |     | 375 |
| Gly | Glu | Arg | Pro | Tyr | Glu | Cys | Lys | Glu | Cys | Gly | Lys | Ala | Phe | Ala |
|     |     |     |     | 380 |     |     |     |     | 385 |     |     |     |     | 390 |
| Arg | Ser | Ser | Arg | Leu | Ser | Glu | His | Thr | Arg | Thr | His | Thr | Gly | Glu |
|     |     |     |     | 395 |     |     |     |     | 400 |     |     |     |     | 405 |
| Lys | Pro | Phe | Glu | Cys | Val | Lys | Cys | Gly | Lys | Ala | Phe | Ala | Ile | Ser |
|     |     |     |     | 410 |     |     |     |     | 415 |     |     |     |     | 420 |
| Ser | Asn | Leu | Ser | Gly | His | Leu | Arg | Ile | His | Thr | Gly | Glu | Lys | Pro |
|     |     |     |     | 425 |     |     |     |     | 430 |     |     |     |     | 435 |
| Phe | Glu | Cys | Leu | Glu | Cys | Gly | Lys | Ala | Phe | Thr | His | Ser | Ser | Ser |
|     |     |     |     | 440 |     |     |     |     | 445 |     |     |     |     | 450 |
| Leu | Asn | Asn | His | Met | Arg | Thr | His | Ser | Ala | Lys | Lys | Pro | Phe | Thr |
|     |     |     |     | 455 |     |     |     |     | 460 |     |     |     |     | 465 |
| Cys | Met | Glu | Cys | Gly | Lys | Ala | Phe | Lys | Phe | Pro | Thr | Cys | Val | Asn |
|     |     |     |     | 470 |     |     |     |     | 475 |     |     |     |     | 480 |
| Leu | His | Met | Arg | Ile | His | Thr | Gly | Glu | Lys | Pro | Tyr | Lys | Cys | Lys |
|     |     |     |     | 485 |     |     |     |     | 490 |     |     |     |     | 495 |
| Gln | Cys | Gly | Lys | Ser | Phe | Ser | Tyr | Ser | Asn | Ser | Phe | Gln | Leu | His |
|     |     |     |     | 500 |     |     |     |     | 505 |     |     |     |     | 510 |
| Glu | Arg | Thr | His | Thr | Gly | Glu | Lys | Pro | Tyr | Glu | Cys | Lys | Glu | Cys |
|     |     |     |     | 515 |     |     |     |     | 520 |     |     |     |     | 525 |
| Gly | Lys | Ala | Phe | Ser | Ser | Ser | Ser | Ser | Phe | Arg | Asn | His | Glu | Arg |
|     |     |     |     | 530 |     |     |     |     | 535 |     |     |     |     | 540 |
| Arg | His | Ala | Asp | Glu | Arg | Leu | Ser | Ala |     |     |     |     |     |     |
|     |     |     |     | 545 |     |     |     |     |     |     |     |     |     |     |

<210> 23  
 <211> 361  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte clone 693452CD1

<400> 23  
 Met Ala Asp Phe Lys Val Leu Ser Ser Gln Asp Ile Lys Trp Ala  
 1 5 10 15  
 Leu His Glu Leu Lys Gly His Tyr Ala Ile Thr Arg Lys Ala Leu  
 20 25 30  
 Ser Asp Ala Ile Lys Lys Trp Gln Glu Leu Ser Pro Glu Thr Ser  
 35 40 45  
 Gly Lys Arg Lys Lys Arg Lys Gln Met Asn Gln Tyr Ser Tyr Ile  
 50 55 60  
 Asp Phe Lys Phe Glu Gln Gly Asp Ile Lys Ile Glu Lys Arg Met  
 65 70 75  
 Phe Phe Leu Glu Asn Lys Arg Arg His Cys Arg Ser Tyr Asp Arg  
 80 85 90  
 Arg Ala Leu Leu Pro Ala Val Gln Gln Glu Gln Glu Phe Tyr Glu  
 95 100 105  
 Gln Lys Ile Lys Glu Met Ala Glu His Glu Asp Phe Leu Leu Ala  
 110 115 120  
 Leu Gln Met Asn Glu Glu Gln Tyr Gln Lys Asp Gly Gln Leu Ile  
 125 130 135  
 Glu Cys Arg Cys Cys Tyr Gly Glu Phe Pro Phe Glu Glu Leu Thr  
 140 145 150  
 Gln Cys Ala Asp Ala His Leu Phe Cys Lys Glu Cys Leu Ile Arg  
 155 160 165  
 Tyr Ala Gln Glu Ala Val Phe Gly Ser Gly Lys Leu Glu Leu Ser  
 170 175 180  
 Cys Met Glu Gly Ser Cys Thr Cys Ser Phe Pro Thr Ser Glu Leu  
 185 190 195  
 Glu Lys Val Leu Pro Gln Thr Ile Leu Tyr Lys Tyr Tyr Glu Arg  
 200 205 210  
 Lys Ala Glu Glu Glu Val Ala Ala Ala Tyr Ala Asp Glu Leu Val  
 215 220 225  
 Arg Cys Pro Ser Cys Ser Phe Pro Ala Leu Leu Asp Ser Asp Val  
 230 235 240  
 Lys Arg Phe Ser Cys Pro Asn Pro His Cys Arg Lys Glu Thr Cys  
 245 250 255  
 Arg Lys Cys Gln Gly Leu Trp Lys Glu His Asn Gly Leu Thr Cys  
 260 265 270  
 Glu Glu Leu Ala Glu Lys Asp Asp Ile Lys Tyr Arg Thr Ser Ile  
 275 280 285  
 Glu Glu Lys Met Thr Ala Ala Arg Ile Arg Lys Cys His Lys Cys  
 290 295 300  
 Gly Thr Gly Leu Ile Lys Ser Glu Gly Cys Asn Arg Met Ser Cys  
 305 310 315  
 Arg Cys Gly Ala Gln Met Cys Tyr Leu Cys Arg Val Ser Ile Asn  
 320 325 330  
 Gly Tyr Asp His Xaa Cys Gln Gln Ser Arg Leu Thr Gly Ala Pro  
 335 340 345  
 Phe Gln Gly Val Phe Lys Met Leu Ser Met Asp Arg Leu Gln Cys  
 350 355 360  
 Lys



<210> 24  
 <211> 241  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte clone 839651CD1

<400> 24  
 Met Trp Pro Ser Leu Glu Ala Leu Cys Ser Leu Phe Ala Ala Arg  
 1 5 10 15  
 Ser Thr Gly Ser Gln Ala Gln Ser Ala Pro Thr Pro Ala Trp Asp  
 20 25 30  
 Glu Asp Thr Ala Gln Ile Gly Pro Lys Arg Ile Arg Lys Ala Ala  
 35 40 45  
 Lys Arg Glu Leu Met Pro Cys Asp Phe Pro Gly Cys Gly Arg Ile  
 50 55 60  
 Phe Ser Asn Arg Gln Tyr Leu Asn His His Lys Lys Tyr Gln His  
 65 70 75  
 Ile His Gln Lys Ser Phe Ser Cys Pro Glu Pro Ala Cys Gly Lys  
 80 85 90  
 Ser Phe Asn Phe Lys Lys His Leu Lys Glu His Met Lys Leu His  
 95 100 105  
 Ser Asp Thr Arg Asp Tyr Ile Cys Glu Phe Cys Ala Arg Ser Phe  
 110 115 120  
 Arg Thr Ser Ser Asn Leu Val Ile His Arg Arg Ile His Thr Gly  
 125 130 135  
 Glu Lys Pro Leu Gln Cys Glu Ile Cys Gly Phe Thr Cys Arg Gln  
 140 145 150  
 Lys Ala Ser Leu Asn Trp His Gln Arg Lys His Ala Glu Thr Val  
 155 160 165  
 Ala Ala Leu Arg Phe Pro Cys Glu Phe Cys Gly Lys Arg Phe Glu  
 170 175 180  
 Lys Pro Asp Ser Val Ala Ala His Arg Ser Lys Ser His Pro Ala  
 185 190 195  
 Leu Leu Leu Ala Pro Gln Glu Ser Pro Ser Gly Pro Leu Glu Pro  
 200 205 210  
 Cys Pro Ser Ile Ser Ala Pro Gly Pro Leu Gly Ser Ser Glu Gly  
 215 220 225  
 Ser Arg Pro Ser Ala Ser Pro Gln Ala Pro Thr Leu Leu Pro Gln  
 230 235 240  
 Gln

<210> 25  
 <211> 576  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte clone 1253545CD1

<400> 25  
 Met Ala Lys Ala Gln Glu Thr Gly His Leu Val Met Asp Val Arg  
 1 5 10 15  
 Arg Tyr Gly Lys Ala Gly Ser Pro Glu Thr Lys Trp Ile Asp Ala  
 20 25 30  
 Thr Ser Gly Ile Tyr Asn Ser Glu Lys Ser Ser Asn Leu Ser Val  
 35 40 45  
 Thr Thr Asp Phe Ser Glu Ser Leu Gln Ser Ser Asn Ile Glu Ser

|                     |                     |                         |     |  |     |
|---------------------|---------------------|-------------------------|-----|--|-----|
|                     | 50                  |                         | 55  |  | 60  |
| Lys Glu Ile Asn Gly | Ile His Asp Glu Ser | Asn Ala Phe Glu Ser     |     |  |     |
|                     | 65                  |                         | 70  |  | 75  |
| Lys Ala Ser Glu Ser | Ile Ser Leu Lys Asn | Leu Lys Arg Arg Ser     |     |  |     |
|                     | 80                  |                         | 85  |  | 90  |
| Gln Phe Phe Glu Gln | Gly Ser Ser Asp Ser | Val Val Pro Asp Leu     |     |  |     |
|                     | 95                  |                         | 100 |  | 105 |
| Pro Val Pro Thr Ile | Ser Ala Pro Ser Arg | Trp Val Trp Asp Gln     |     |  |     |
|                     | 110                 |                         | 115 |  | 120 |
| Glu Glu Glu Arg Lys | Arg Gln Glu Arg Trp | Gln Lys Glu Gln Asp     |     |  |     |
|                     | 125                 |                         | 130 |  | 135 |
| Arg Leu Leu Gln Glu | Lys Tyr Gln Arg Glu | Gln Glu Lys Leu Arg     |     |  |     |
|                     | 140                 |                         | 145 |  | 150 |
| Glu Glu Trp Gln Arg | Ala Lys Gln Glu Ala | Glu Arg Glu Asn Ser     |     |  |     |
|                     | 155                 |                         | 160 |  | 165 |
| Lys Tyr Leu Asp Glu | Glu Leu Met Val Leu | Ser Ser Asn Ser Met     |     |  |     |
|                     | 170                 |                         | 175 |  | 180 |
| Ser Leu Thr Thr Arg | Glu Pro Ser Leu Ala | Thr Trp Glu Ala Thr     |     |  |     |
|                     | 185                 |                         | 190 |  | 195 |
| Trp Ser Glu Gly Ser | Lys Ser Ser Asp Arg | Glu Gly Thr Arg Ala     |     |  |     |
|                     | 200                 |                         | 205 |  | 210 |
| Gly Glu Glu Glu Arg | Arg Gln Pro Gln Glu | Glu Val Val His Glu     |     |  |     |
|                     | 215                 |                         | 220 |  | 225 |
| Asp Gln Gly Lys Lys | Pro Gln Asp Gln Leu | Val Ile Glu Arg Glu     |     |  |     |
|                     | 230                 |                         | 235 |  | 240 |
| Arg Lys Trp Glu Gln | Gln Leu Gln Glu Glu | Gln Glu Gln Lys Arg     |     |  |     |
|                     | 245                 |                         | 250 |  | 255 |
| Leu Gln Ala Glu Ala | Glu Glu Gln Lys Arg | Pro Ala Glu Glu Gln     |     |  |     |
|                     | 260                 |                         | 265 |  | 270 |
| Lys Arg Gln Ala Glu | Ile Glu Arg Glu Thr | Ser Val Arg Ile Tyr     |     |  |     |
|                     | 275                 |                         | 280 |  | 285 |
| Gln Tyr Arg Arg Pro | Val Asp Ser Tyr Asp | Ile Pro Lys Thr Glu     |     |  |     |
|                     | 290                 |                         | 295 |  | 300 |
| Glu Ala Ser Ser Gly | Phe Leu Pro Gly Asp | Arg Asn Lys Ser Arg     |     |  |     |
|                     | 305                 |                         | 310 |  | 315 |
| Ser Thr Thr Glu Leu | Asp Asp Tyr Ser Thr | Asn Lys Asn Gly Asn     |     |  |     |
|                     | 320                 |                         | 325 |  | 330 |
| Asn Lys Tyr Leu Asp | Gln Ile Gly Asn Thr | Thr Ser Ser Gln Arg     |     |  |     |
|                     | 335                 |                         | 340 |  | 345 |
| Arg Ser Lys Lys Glu | Gln Val Pro Ser Gly | Ala Glu Leu Glu Arg     |     |  |     |
|                     | 350                 |                         | 355 |  | 360 |
| Gln Gln Ile Leu Gln | Glu Met Arg Lys Arg | Thr Pro Leu His Asn     |     |  |     |
|                     | 365                 |                         | 370 |  | 375 |
| Asp Asn Ser Trp Ile | Arg Gln Arg Ser Ala | Ser Val Asn Lys Glu     |     |  |     |
|                     | 380                 |                         | 385 |  | 390 |
| Pro Val Ser Leu Pro | Gly Ile Met Arg Arg | Gly Glu Ser Leu Asp     |     |  |     |
|                     | 395                 |                         | 400 |  | 405 |
| Asn Leu Asp Ser Pro | Arg Ser Asn Ser Trp | Arg Gln Pro Pro Trp     |     |  |     |
|                     | 410                 |                         | 415 |  | 420 |
| Leu Asn Gln Pro Thr | Gly Phe Tyr Ala Ser | Ser Ser Ser Val Gln Asp |     |  |     |
|                     | 425                 |                         | 430 |  | 435 |
| Phe Ser Arg Pro Gln | Pro Gln Leu Val Ser | Thr Ser Asn Arg Ala     |     |  |     |
|                     | 440                 |                         | 445 |  | 450 |
| Tyr Met Arg Asn Pro | Ser Ser Ser Val Pro | Pro Pro Ser Ala Gly     |     |  |     |
|                     | 455                 |                         | 460 |  | 465 |
| Ser Val Lys Thr Ser | Thr Thr Gly Val Ala | Thr Thr Gln Ser Pro     |     |  |     |
|                     | 470                 |                         | 475 |  | 480 |
| Thr Pro Arg Ser His | Ser Pro Ser Ala Ser | Gln Ser Gly Ser Gln     |     |  |     |
|                     | 485                 |                         | 490 |  | 495 |
| Leu Arg Asn Arg Ser | Val Ser Gly Lys Arg | Ile Cys Ser Tyr Cys     |     |  |     |
|                     | 500                 |                         | 505 |  | 510 |
| Asn Asn Ile Leu Gly | Lys Gly Ala Ala Met | Ile Ile Glu Ser Leu     |     |  |     |
|                     | 515                 |                         | 520 |  | 525 |
| Gly Leu Cys Tyr His | Leu His Cys Phe Lys | Cys Val Ala Cys Glu     |     |  |     |

|                 |                     |                     |     |
|-----------------|---------------------|---------------------|-----|
| Cys Asp Leu Gly | Gly Ser Ser Ser Gly | Ala Glu Val Arg Ile | Arg |
| 530             | 535                 | 540                 |     |
| 545             | 550                 | 555                 |     |
| Asn His Gln Leu | Tyr Cys Asn Asp Cys | Tyr Leu Arg Phe Lys | Ser |
| 560             | 565                 | 570                 |     |
| Gly Arg Pro Thr | Ala Met             |                     |     |
| 575             |                     |                     |     |

&lt;210&gt; 26

&lt;211&gt; 408

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte clone 1425691CD1

&lt;400&gt; 26

|   |  |
|---|--|
| Met Pro Gly His Leu Gln Glu Gly Phe Gly Cys Val Val Thr Asn |  |
| 1 5 10 15   |  |
| Arg Phe Asp Gln Leu Phe Asp Asp Glu Ser Asp Pro Phe Glu Val |  |
| 20 25 30  |  |
| Leu Lys Ala Ala Glu Asn Lys Lys Lys Glu Ala Gly Gly Gly Gly |  |
| 35 40 45  |  |
| Val Gly Gly Pro Gly Ala Lys Ser Ala Ala Gln Ala Ala Ala Gln |  |
| 50 55 60  |  |
| Thr Asn Ser Asn Ala Ala Gly Lys Gln Leu Arg Lys Glu Ser Gln |  |
| 65 70 75  |  |
| Lys Asp Arg Lys Asn Pro Leu Pro Pro Ser Val Gly Val Val Asp |  |
| 80 85 90  |  |
| Lys Lys Glu Glu Thr Gln Pro Pro Val Ala Leu Lys Lys Glu Gly |  |
| 95 100 105  |  |
| Ile Arg Arg Val Gly Arg Arg Pro Asp Gln Gln Leu Gln Gly Glu |  |
| 110 115 120   |  |
| Gly Lys Ile Ile Asp Arg Arg Pro Glu Arg Arg Pro Pro Arg Glu |  |
| 125 130 135   |  |
| Arg Arg Phe Glu Lys Pro Leu Glu Glu Lys Gly Glu Gly Gly Glu |  |
| 140 145 150   |  |
| Phe Ser Val Asp Arg Pro Ile Ile Asp Arg Pro Ile Arg Gly Arg |  |
| 155 160 165   |  |
| Gly Gly Leu Gly Arg Gly Arg Gly Gly Arg Gly Arg Gly Met Gly |  |
| 170 175 180   |  |
| Arg Gly Asp Gly Phe Asp Ser Arg Gly Lys Arg Glu Phe Asp Arg |  |
| 185 190 195   |  |
| His Ser Gly Ser Asp Arg Ser Ser Phe Ser His Tyr Ser Gly Leu |  |
| 200 205 210   |  |
| Lys His Glu Asp Lys Arg Gly Gly Ser Gly Ser His Asn Trp Gly |  |
| 215 220 225   |  |
| Thr Val Lys Asp Glu Leu Thr Glu Ser Pro Lys Tyr Ile Gln Lys |  |
| 230 235 240   |  |
| Gln Ile Ser Tyr Asn Tyr Ser Asp Leu Asp Gln Ser Asn Val Thr |  |
| 245 250 255   |  |
| Glu Glu Thr Pro Glu Gly Glu Glu His His Pro Val Ala Asp Thr |  |
| 260 265 270   |  |
| Glu Asn Lys Glu Asn Glu Val Glu Glu Val Lys Glu Glu Gly Pro |  |
| 275 280 285   |  |
| Lys Glu Met Thr Leu Asp Glu Trp Lys Ala Ile Gln Asn Lys Asp |  |
| 290 295 300   |  |
| Arg Ala Lys Val Glu Phe Asn Ile Arg Lys Pro Asn Glu Gly Ala |  |
| 305 310 315   |  |
| Asp Gly Gln Trp Lys Lys Gly Phe Val Leu His Lys Ser Lys Ser |  |
| 320 325 330   |  |
| Glu Glu Ala His Ala Glu Asp Ser Val Met Asp His His Phe Arg |  |

|                 |                     |                     |                     |     |     |
|-----------------|---------------------|---------------------|---------------------|-----|-----|
|                 | 335                 |                     | 340                 |     | 345 |
| Lys Pro Ala Asn | Asp                 | Ile Thr Ser Gln     | Leu Glu Ile Asn Phe | Gly |     |
|                 | 350                 |                     | 355                 |     | 360 |
| Asp Leu Gly Arg | Pro Gly Arg Gly Gly | Arg Gly Gly Arg Gly | Gly                 |     |     |
|                 | 365                 |                     | 370                 |     | 375 |
| Arg Gly Arg Gly | Gly Arg Pro Asn Arg | Gly Ser Arg Thr Asp | Lys                 |     |     |
|                 | 380                 |                     | 385                 |     | 390 |
| Ser Ser Ala Ser | Ala Pro Asp Val Asp | Asp Pro Glu Ala Phe | Pro                 |     |     |
|                 | 395                 |                     | 400                 |     | 405 |
| Ala Leu Ala     |                     |                     |                     |     |     |

<210> 27  
 <211> 810  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte clone 1484257CD1

<400> 27

|   |  |  |
|---|--|--|
| Met Asp Phe Pro Gln His Ser Gln His Val Leu Glu Gln Leu Asn |  |  |
| 1 5 10 15   |  |  |
| Gln Gln Arg Gln Leu Gly Leu Leu Cys Asp Cys Thr Phe Val Val |  |  |
| 20 25 30  |  |  |
| Asp Gly Val His Phe Lys Ala His Lys Ala Val Leu Ala Ala Cys |  |  |
| 35 40 45  |  |  |
| Ser Glu Tyr Phe Lys Met Leu Phe Val Asp Gln Lys Asp Val Val |  |  |
| 50 55 60  |  |  |
| His Leu Asp Ile Ser Asn Ala Ala Gly Leu Gly Gln Val Leu Glu |  |  |
| 65 70 75  |  |  |
| Phe Met Tyr Thr Ala Lys Leu Ser Leu Ser Pro Glu Asn Val Asp |  |  |
| 80 85 90  |  |  |
| Asp Val Leu Ala Val Ala Thr Phe Leu Gln Met Gln Asp Ile Ile |  |  |
| 95 100 105  |  |  |
| Thr Ala Cys His Ala Leu Lys Ser Leu Ala Glu Pro Ala Thr Ser |  |  |
| 110 115 120   |  |  |
| Pro Gly Gly Asn Ala Glu Ala Leu Ala Gln Lys Val Cys Pro Val |  |  |
| 125 130 135   |  |  |
| Pro Ser Pro Gly Gly Asp Lys Arg Ala Lys Glu Glu Lys Val Ala |  |  |
| 140 145 150   |  |  |
| Thr Ser Thr Leu Ser Arg Leu Glu Gln Ala Gly Arg Ser Thr Pro |  |  |
| 155 160 165   |  |  |
| Ile Gly Pro Ser Arg Asp Leu Lys Glu Glu Arg Gly Gly Gln Ala |  |  |
| 170 175 180   |  |  |
| Gln Ser Ala Ala Ser Gly Ala Glu Gln Thr Glu Lys Ala Asp Ala |  |  |
| 185 190 195   |  |  |
| Pro Arg Glu Pro Pro Pro Val Glu Leu Lys Pro Asp Pro Thr Ser |  |  |
| 200 205 210   |  |  |
| Gly Met Ala Ala Ala Glu Ala Glu Ala Ala Leu Ser Glu Ser Ser |  |  |
| 215 220 225   |  |  |
| Glu Gln Glu Met Glu Val Glu Pro Ala Arg Lys Gly Glu Glu Glu |  |  |
| 230 235 240   |  |  |
| Gln Lys Glu Gln Glu Glu Gln Glu Glu Gly Ala Gly Pro Ala     |  |  |
| 245 250 255   |  |  |
| Glu Val Lys Glu Glu Gly Ser Gln Leu Glu Asn Gly Glu Ala Pro |  |  |
| 260 265 270   |  |  |
| Glu Glu Asn Glu Asn Glu Glu Ser Ala Gly Thr Asp Ser Gly Gln |  |  |
| 275 280 285   |  |  |
| Glu Leu Gly Ser Glu Ala Arg Gly Leu Arg Ser Gly Thr Tyr Gly |  |  |
| 290 295 300   |  |  |
| Asp Arg Thr Glu Ser Lys Ala Tyr Gly Ser Val Ile His Lys Cys |  |  |
| 305 310 315   |  |  |

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Glu | Asp | Cys | Gly | Lys | Glu | Phe | Thr | His | Thr | Gly | Asn | Phe | Lys | Arg |
|     |     |     |     | 320 |     |     |     |     | 325 |     |     |     |     | 330 |
| His | Ile | Arg | Ile | His | Thr | Gly | Glu | Lys | Pro | Phe | Ser | Cys | Arg | Glu |
|     |     |     |     | 335 |     |     |     |     | 340 |     |     |     |     | 345 |
| Cys | Ser | Lys | Ala | Phe | Ser | Asp | Pro | Ala | Ala | Cys | Glu | Ala | His | Glu |
|     |     |     |     | 350 |     |     |     |     | 355 |     |     |     |     | 360 |
| Lys | Thr | His | Ser | Pro | Leu | Lys | Pro | Tyr | Gly | Cys | Glu | Glu | Cys | Gly |
|     |     |     |     | 365 |     |     |     |     | 370 |     |     |     |     | 375 |
| Lys | Ser | Tyr | Arg | Leu | Ile | Ser | Leu | Leu | Asn | Leu | His | Lys | Lys | Arg |
|     |     |     |     | 380 |     |     |     |     | 385 |     |     |     |     | 390 |
| His | Ser | Gly | Glu | Ala | Arg | Tyr | Arg | Cys | Glu | Asp | Cys | Gly | Lys | Leu |
|     |     |     |     | 395 |     |     |     |     | 400 |     |     |     |     | 405 |
| Phe | Thr | Thr | Ser | Gly | Asn | Leu | Lys | Arg | His | Gln | Leu | Val | His | Ser |
|     |     |     |     | 410 |     |     |     |     | 415 |     |     |     |     | 420 |
| Gly | Glu | Lys | Pro | Tyr | Gln | Cys | Asp | Tyr | Cys | Gly | Arg | Ser | Phe | Ser |
|     |     |     |     | 425 |     |     |     |     | 430 |     |     |     |     | 435 |
| Asp | Pro | Thr | Ser | Lys | Met | Arg | His | Leu | Glu | Thr | His | Asp | Thr | Asp |
|     |     |     |     | 440 |     |     |     |     | 445 |     |     |     |     | 450 |
| Lys | Glu | His | Lys | Cys | Pro | His | Cys | Asp | Lys | Lys | Phe | Asn | Gln | Val |
|     |     |     |     | 455 |     |     |     |     | 460 |     |     |     |     | 465 |
| Gly | Asn | Leu | Lys | Ala | His | Leu | Lys | Ile | His | Ile | Ala | Asp | Gly | Pro |
|     |     |     |     | 470 |     |     |     |     | 475 |     |     |     |     | 480 |
| Leu | Lys | Cys | Arg | Glu | Cys | Gly | Lys | Gln | Phe | Thr | Thr | Ser | Gly | Asn |
|     |     |     |     | 485 |     |     |     |     | 490 |     |     |     |     | 495 |
| Leu | Lys | Arg | His | Leu | Arg | Ile | His | Ser | Gly | Glu | Lys | Pro | Tyr | Val |
|     |     |     |     | 500 |     |     |     |     | 505 |     |     |     |     | 510 |
| Cys | Ile | His | Cys | Gln | Arg | Gln | Phe | Ala | Asp | Pro | Gly | Ala | Leu | Gln |
|     |     |     |     | 515 |     |     |     |     | 520 |     |     |     |     | 525 |
| Arg | His | Val | Arg | Ile | His | Thr | Gly | Glu | Lys | Pro | Cys | Gln | Cys | Val |
|     |     |     |     | 530 |     |     |     |     | 535 |     |     |     |     | 540 |
| Met | Cys | Gly | Lys | Ala | Phe | Thr | Gln | Ala | Ser | Ser | Leu | Ile | Ala | His |
|     |     |     |     | 545 |     |     |     |     | 550 |     |     |     |     | 555 |
| Val | Arg | Gln | His | Thr | Gly | Glu | Lys | Pro | Tyr | Val | Cys | Glu | Arg | Cys |
|     |     |     |     | 560 |     |     |     |     | 565 |     |     |     |     | 570 |
| Gly | Lys | Arg | Phe | Val | Gln | Ser | Ser | Gln | Leu | Ala | Asn | His | Ile | Arg |
|     |     |     |     | 575 |     |     |     |     | 580 |     |     |     |     | 585 |
| His | His | Asp | Asn | Ile | Arg | Pro | His | Lys | Cys | Ser | Val | Cys | Ser | Lys |
|     |     |     |     | 590 |     |     |     |     | 595 |     |     |     |     | 600 |
| Ala | Phe | Val | Asn | Val | Gly | Asp | Leu | Ser | Lys | His | Ile | Ile | Ile | His |
|     |     |     |     | 605 |     |     |     |     | 610 |     |     |     |     | 615 |
| Thr | Gly | Glu | Lys | Pro | Tyr | Leu | Cys | Asp | Lys | Cys | Gly | Arg | Gly | Phe |
|     |     |     |     | 620 |     |     |     |     | 625 |     |     |     |     | 630 |
| Asn | Arg | Val | Asp | Asn | Leu | Arg | Ser | His | Val | Lys | Thr | Val | His | Gln |
|     |     |     |     | 635 |     |     |     |     | 640 |     |     |     |     | 645 |
| Gly | Lys | Ala | Gly | Ile | Lys | Ile | Leu | Glu | Pro | Glu | Glu | Gly | Ser | Glu |
|     |     |     |     | 650 |     |     |     |     | 655 |     |     |     |     | 660 |
| Val | Ser | Val | Val | Thr | Val | Asp | Asp | Met | Val | Thr | Leu | Ala | Thr | Glu |
|     |     |     |     | 665 |     |     |     |     | 670 |     |     |     |     | 675 |
| Ala | Leu | Ala | Ala | Thr | Ala | Val | Thr | Gln | Leu | Thr | Val | Val | Pro | Val |
|     |     |     |     | 680 |     |     |     |     | 685 |     |     |     |     | 690 |
| Gly | Ala | Ala | Val | Thr | Ala | Asp | Glu | Thr | Glu | Val | Leu | Lys | Ala | Glu |
|     |     |     |     | 695 |     |     |     |     | 700 |     |     |     |     | 705 |
| Ile | Ser | Lys | Ala | Val | Lys | Gln | Val | Gln | Glu | Glu | Asp | Pro | Asn | Thr |
|     |     |     |     | 710 |     |     |     |     | 715 |     |     |     |     | 720 |
| His | Ile | Leu | Tyr | Ala | Cys | Asp | Ser | Cys | Gly | Asp | Lys | Phe | Leu | Asp |
|     |     |     |     | 725 |     |     |     |     | 730 |     |     |     |     | 735 |
| Ala | Asn | Ser | Leu | Ala | Gln | His | Val | Arg | Ile | His | Thr | Ala | Gln | Ala |
|     |     |     |     | 740 |     |     |     |     | 745 |     |     |     |     | 750 |
| Leu | Val | Met | Phe | Gln | Thr | Asp | Ala | Asp | Phe | Tyr | Gln | Gln | Tyr | Gly |
|     |     |     |     | 755 |     |     |     |     | 760 |     |     |     |     | 765 |
| Pro | Gly | Gly | Thr | Trp | Pro | Ala | Gly | Gln | Val | Leu | Gln | Ala | Gly | Glu |
|     |     |     |     | 770 |     |     |     |     | 775 |     |     |     |     | 780 |
| Leu | Val | Phe | Arg | Pro | Arg | Asp | Gly | Ala | Glu | Gly | Gln | Pro | Ala | Leu |
|     |     |     |     | 785 |     |     |     |     | 790 |     |     |     |     | 795 |

Ala Glu Thr Ser Pro Thr Ala Pro Glu Cys Pro Pro Pro Ala Glu  
 800 805 810

<210> 28  
 <211> 324  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte clone 1732368CD1

<400> 28  
 Met Asp Trp Ser Glu Val Lys Glu Glu Lys Asp Asn Leu Glu Ile  
 1 5 10 15  
 Lys Gln Glu Glu Lys Phe Val Gly Gln Cys Ile Lys Glu Glu Leu  
 20 25 30  
 Met His Gly Glu Cys Val Lys Glu Glu Lys Asp Phe Leu Lys Lys  
 35 40 45  
 Glu Ile Val Asp Asp Thr Lys Val Lys Glu Glu Pro Pro Ile Asn  
 50 55 60  
 His Pro Val Gly Cys Lys Arg Lys Leu Ala Met Ser Arg Cys Glu  
 65 70 75  
 Thr Cys Gly Thr Glu Glu Ala Lys Tyr Arg Cys Pro Arg Cys Met  
 80 85 90  
 Arg Tyr Ser Cys Ser Leu Pro Cys Val Lys Lys His Lys Ala Glu  
 95 100 105  
 Leu Thr Cys Asn Gly Val Arg Asp Lys Thr Ala Tyr Ile Ser Ile  
 110 115 120  
 Gln Gln Phe Thr Glu Met Asn Leu Leu Ser Asp Tyr Arg Phe Leu  
 125 130 135  
 Glu Asp Val Ala Arg Thr Ala Asp His Ile Ser Arg Asp Ala Phe  
 140 145 150  
 Leu Lys Arg Pro Ile Ser Asn Lys Tyr Met Tyr Phe Met Lys Asn  
 155 160 165  
 Arg Ala Arg Arg Gln Gly Ile Asn Leu Lys Leu Leu Pro Asn Gly  
 170 175 180  
 Phe Thr Lys Arg Lys Glu Asn Ser Thr Phe Phe Asp Lys Lys Lys  
 185 190 195  
 Gln Gln Phe Cys Trp His Val Lys Leu Gln Phe Pro Gln Ser Gln  
 200 205 210  
 Ala Glu Tyr Ile Glu Lys Arg Val Pro Asp Asp Lys Thr Ile Asn  
 215 220 225  
 Glu Ile Leu Lys Pro Tyr Ile Asp Pro Glu Lys Ser Asp Pro Val  
 230 235 240  
 Ile Arg Gln Arg Leu Lys Ala Tyr Ile Arg Ser Gln Thr Gly Val  
 245 250 255  
 Gln Ile Leu Met Lys Ile Glu Tyr Met Gln Gln Asn Leu Val Arg  
 260 265 270  
 Tyr Tyr Glu Leu Asp Pro Tyr Lys Ser Leu Leu Asp Asn Leu Arg  
 275 280 285  
 Asn Lys Val Ile Ile Glu Tyr Pro Thr Leu His Val Val Leu Lys  
 290 295 300  
 Gly Ser Asn Asn Asp Met Lys Val Leu His Gln Val Lys Ser Glu  
 305 310 315  
 Ser Thr Lys Asn Val Gly Asn Glu Asn  
 320

<210> 29  
 <211> 292

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte clone 1870914CD1

&lt;400&gt; 29

```

Met Glu Glu Val Pro His Asp Cys Pro Gly Ala Asp Ser Ala Gln
 1          5          10          15
Ala Gly Arg Gly Ala Ser Cys Gln Gly Cys Pro Asn Gln Arg Leu
          20          25          30
Cys Ala Ser Gly Ala Gly Ala Thr Pro Asp Thr Ala Ile Glu Glu
          35          40          45
Ile Lys Glu Lys Met Lys Thr Val Lys His Lys Ile Leu Val Leu
          50          55          60
Ser Gly Lys Gly Gly Val Gly Lys Ser Thr Phe Ser Ala His Leu
          65          70          75
Ala His Gly Leu Ala Glu Asp Glu Asn Thr Gln Ile Ala Leu Leu
          80          85          90
Asp Ile Asp Ile Cys Gly Pro Ser Ile Pro Lys Ile Met Gly Leu
          95          100          105
Glu Gly Glu Gln Val His Gln Ser Gly Ser Gly Trp Ser Pro Val
          110          115          120
Tyr Val Glu Asp Asn Leu Gly Val Met Ser Val Gly Phe Leu Leu
          125          130          135
Ser Ser Pro Asp Asp Ala Val Ile Trp Arg Gly Pro Lys Lys Asn
          140          145          150
Gly Met Ile Lys Gln Phe Leu Arg Asp Val Asp Trp Gly Glu Val
          155          160          165
Asp Tyr Leu Ile Val Asp Thr Pro Pro Gly Thr Ser Asp Glu His
          170          175          180
Leu Ser Val Val Arg His Leu Ala Thr Ala His Ile Asp Gly Ala
          185          190          195
Val Ile Ile Thr Thr Pro Gln Glu Val Ser Leu Gln Asp Val Arg
          200          205          210
Lys Glu Ile Asn Phe Cys Arg Lys Val Lys Leu Pro Ile Ile Gly
          215          220          225
Val Val Glu Asn Met Ser Gly Phe Ile Cys Pro Lys Cys Lys Lys
          230          235          240
Glu Ser Gln Ile Phe Pro Pro Thr Thr Gly Gly Ala Glu Leu Met
          245          250          255
Cys Gln Asp Leu Glu Val Pro Leu Leu Gly Arg Val Pro Leu Asp
          260          265          270
Pro Leu Ile Gly Ile Gln Glu Phe Cys Asn Leu His Gln Ser Lys
          275          280          285
Glu Glu Asn Leu Ile Ser Ser
          290

```

&lt;210&gt; 30

&lt;211&gt; 259

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte clone 1910984CD1

&lt;400&gt; 30

```

Met Glu Cys His Leu Lys Thr His Tyr Lys Met Glu Tyr Lys Cys
 1          5          10          15
Arg Ile Cys Gln Thr Val Lys Ala Asn Gln Leu Glu Leu Glu Thr
          20          25          30

```

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| His | Thr | Arg | Glu | His | Arg | Leu | Gly | Asn | His | Tyr | Lys | Cys | Asp | Gln |     |
|     |     |     |     | 35  |     |     |     |     | 40  |     |     |     |     |     | 45  |
| Cys | Gly | Tyr | Leu | Ser | Lys | Thr | Ala | Asn | Lys | Leu | Ile | Glu | His | Val |     |
|     |     |     |     | 50  |     |     |     |     | 55  |     |     |     |     |     | 60  |
| Arg | Val | His | Thr | Gly | Glu | Arg | Pro | Phe | His | Cys | Asp | Gln | Cys | Ser |     |
|     |     |     |     | 65  |     |     |     |     | 70  |     |     |     |     |     | 75  |
| Tyr | Ser | Cys | Thr | Gly | Lys | Asp | Asn | Leu | Asn | Leu | His | Lys | Lys | Leu |     |
|     |     |     |     | 80  |     |     |     |     | 85  |     |     |     |     |     | 90  |
| Lys | His | Ala | Pro | Arg | Gln | Thr | Phe | Ser | Cys | Glu | Glu | Cys | Leu | Phe |     |
|     |     |     |     | 95  |     |     |     |     | 100 |     |     |     |     |     | 105 |
| Lys | Thr | Thr | His | Pro | Phe | Val | Phe | Ser | Arg | His | Val | Lys | Lys | His |     |
|     |     |     |     | 110 |     |     |     |     | 115 |     |     |     |     |     | 120 |
| Gln | Ser | Gly | Asp | Cys | Pro | Glu | Glu | Asp | Lys | Lys | Gly | Leu | Cys | Pro |     |
|     |     |     |     | 125 |     |     |     |     | 130 |     |     |     |     |     | 135 |
| Ala | Pro | Lys | Glu | Pro | Ala | Gly | Pro | Gly | Ala | Pro | Leu | Leu | Val | Val |     |
|     |     |     |     | 140 |     |     |     |     | 145 |     |     |     |     |     | 150 |
| Gly | Ser | Ser | Arg | Asn | Leu | Leu | Ser | Pro | Leu | Ser | Val | Met | Ser | Ala |     |
|     |     |     |     | 155 |     |     |     |     | 160 |     |     |     |     |     | 165 |
| Ser | Gln | Ala | Leu | Gln | Thr | Val | Ala | Leu | Ser | Ala | Ala | His | Gly | Ser |     |
|     |     |     |     | 170 |     |     |     |     | 175 |     |     |     |     |     | 180 |
| Ser | Ser | Glu | Pro | Asn | Leu | Ala | Leu | Lys | Ala | Leu | Ala | Phe | Asn | Gly |     |
|     |     |     |     | 185 |     |     |     |     | 190 |     |     |     |     |     | 195 |
| Ser | Pro | Leu | Arg | Phe | Asp | Lys | Tyr | Arg | Asn | Ser | Asp | Phe | Ala | His |     |
|     |     |     |     | 200 |     |     |     |     | 205 |     |     |     |     |     | 210 |
| Leu | Ile | Pro | Leu | Thr | Met | Leu | Tyr | Pro | Lys | Asn | His | Leu | Asp | Leu |     |
|     |     |     |     | 215 |     |     |     |     | 220 |     |     |     |     |     | 225 |
| Thr | Phe | His | Pro | Pro | Arg | Pro | Gln | Thr | Ala | Pro | Pro | Ser | Ile | Pro |     |
|     |     |     |     | 230 |     |     |     |     | 235 |     |     |     |     |     | 240 |
| Ser | Pro | Lys | His | Ser | Phe | Leu | Ala | Tyr | Leu | Gly | Leu | Arg | Glu | Arg |     |
|     |     |     |     | 245 |     |     |     |     | 250 |     |     |     |     |     | 255 |
| Ala | Glu | Thr | Val |     |     |     |     |     |     |     |     |     |     |     |     |

<210> 31  
 <211> 97  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte clone 1943040CD1

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
| Met | Glu | His | His | Ser | Ser | His | Gly | Gly | Arg | Lys | Arg | Tyr | Ala | Cys |  |
| 1   |     |     |     | 5   |     |     |     |     | 10  |     |     |     |     | 15  |  |
| Gln | Gly | Cys | Trp | Lys | Thr | Phe | His | Phe | Ser | Leu | Ala | Leu | Ala | Glu |  |
|     |     |     |     | 20  |     |     |     |     | 25  |     |     |     |     | 30  |  |
| His | Gln | Lys | Thr | His | Glu | Lys | Glu | Lys | Ser | Tyr | Ala | Leu | Gly | Gly |  |
|     |     |     |     | 35  |     |     |     |     | 40  |     |     |     |     | 45  |  |
| Ala | Arg | Gly | Pro | Gln | Pro | Ser | Thr | Arg | Glu | Pro | Arg | Arg | Gly | Leu |  |
|     |     |     |     | 50  |     |     |     |     | 55  |     |     |     |     | 60  |  |
| Gly | Arg | Ala | Val | Pro | Gln | Arg | Ala | Trp | Arg | Ala | Arg | Leu | Pro | Pro |  |
|     |     |     |     | 65  |     |     |     |     | 70  |     |     |     |     | 75  |  |
| His | Pro | Gln | Arg | Arg | Arg | Gly | Glu | Pro | Leu | Cys | Cys | Pro | Val | Pro |  |
|     |     |     |     | 80  |     |     |     |     | 85  |     |     |     |     | 90  |  |
| Glu | Gly | Pro | Leu | Cys | Arg | Pro |     |     |     |     |     |     |     |     |  |
|     |     |     |     | 95  |     |     |     |     |     |     |     |     |     |     |  |

<210> 32  
 <211> 812  
 <212> PRT  
 <213> Homo sapiens



&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte clone 2076520CD1

&lt;400&gt; 32

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Met | Ile | Glu | Pro | Asp | Gln | Cys | Phe | Cys | Arg | Phe | Asp | Leu | Thr | Gly |
| 1   |     |     |     | 5   |     |     |     |     | 10  |     |     |     |     | 15  |
| Thr | Cys | Asn | Asp | Asp | Asp | Cys | Gln | Trp | Gln | His | Ile | Gln | Asp | Tyr |
|     |     |     |     | 20  |     |     |     |     | 25  |     |     |     |     | 30  |
| Thr | Leu | Ser | Arg | Lys | Gln | Leu | Phe | Gln | Asp | Ile | Leu | Ser | Tyr | Asn |
|     |     |     |     | 35  |     |     |     |     | 40  |     |     |     |     | 45  |
| Leu | Ser | Leu | Ile | Gly | Cys | Ala | Glu | Thr | Ser | Thr | Asn | Glu | Glu | Ile |
|     |     |     |     | 50  |     |     |     |     | 55  |     |     |     |     | 60  |
| Thr | Ala | Ser | Ala | Glu | Lys | Tyr | Val | Glu | Lys | Leu | Phe | Gly | Val | Asn |
|     |     |     |     | 65  |     |     |     |     | 70  |     |     |     |     | 75  |
| Lys | Asp | Arg | Met | Ser | Met | Asp | Gln | Met | Ala | Val | Leu | Leu | Val | Ser |
|     |     |     |     | 80  |     |     |     |     | 85  |     |     |     |     | 90  |
| Asn | Ile | Asn | Glu | Ser | Lys | Gly | His | Thr | Pro | Pro | Phe | Thr | Thr | Tyr |
|     |     |     |     | 95  |     |     |     |     | 100 |     |     |     |     | 105 |
| Lys | Asp | Lys | Arg | Lys | Trp | Lys | Pro | Lys | Phe | Trp | Arg | Lys | Pro | Ile |
|     |     |     |     | 110 |     |     |     |     | 115 |     |     |     |     | 120 |
| Ser | Asp | Asn | Ser | Phe | Ser | Ser | Asp | Glu | Glu | Gln | Ser | Thr | Gly | Pro |
|     |     |     |     | 125 |     |     |     |     | 130 |     |     |     |     | 135 |
| Ile | Lys | Tyr | Ala | Phe | Gln | Pro | Glu | Asn | Gln | Ile | Asn | Val | Pro | Ala |
|     |     |     |     | 140 |     |     |     |     | 145 |     |     |     |     | 150 |
| Leu | Asp | Thr | Val | Val | Thr | Pro | Asp | Asp | Val | Arg | Tyr | Phe | Thr | Asn |
|     |     |     |     | 155 |     |     |     |     | 160 |     |     |     |     | 165 |
| Glu | Thr | Asp | Asp | Ile | Ala | Asn | Leu | Glu | Ala | Ser | Val | Leu | Glu | Asn |
|     |     |     |     | 170 |     |     |     |     | 175 |     |     |     |     | 180 |
| Pro | Ser | His | Val | Gln | Leu | Trp | Leu | Lys | Leu | Ala | Tyr | Lys | Tyr | Leu |
|     |     |     |     | 185 |     |     |     |     | 190 |     |     |     |     | 195 |
| Asn | Gln | Asn | Glu | Gly | Glu | Cys | Ser | Glu | Ser | Leu | Asp | Ser | Ala | Leu |
|     |     |     |     | 200 |     |     |     |     | 205 |     |     |     |     | 210 |
| Asn | Val | Leu | Ala | Arg | Ala | Leu | Glu | Asn | Asn | Lys | Asp | Asn | Pro | Glu |
|     |     |     |     | 215 |     |     |     |     | 220 |     |     |     |     | 225 |
| Ile | Trp | Cys | His | Tyr | Leu | Arg | Leu | Phe | Ser | Lys | Arg | Gly | Thr | Lys |
|     |     |     |     | 230 |     |     |     |     | 235 |     |     |     |     | 240 |
| Asp | Glu | Val | Gln | Glu | Met | Cys | Glu | Thr | Ala | Val | Glu | Tyr | Ala | Pro |
|     |     |     |     | 245 |     |     |     |     | 250 |     |     |     |     | 255 |
| Asp | Tyr | Gln | Ser | Phe | Trp | Thr | Phe | Leu | His | Leu | Glu | Ser | Thr | Phe |
|     |     |     |     | 260 |     |     |     |     | 265 |     |     |     |     | 270 |
| Glu | Glu | Lys | Asp | Tyr | Val | Cys | Glu | Arg | Met | Leu | Glu | Phe | Leu | Met |
|     |     |     |     | 275 |     |     |     |     | 280 |     |     |     |     | 285 |
| Gly | Ala | Ala | Lys | Gln | Glu | Thr | Ser | Asn | Ile | Leu | Ser | Phe | Gln | Leu |
|     |     |     |     | 290 |     |     |     |     | 295 |     |     |     |     | 300 |
| Leu | Glu | Ala | Leu | Leu | Phe | Arg | Val | Gln | Leu | His | Ile | Phe | Thr | Gly |
|     |     |     |     | 305 |     |     |     |     | 310 |     |     |     |     | 315 |
| Arg | Cys | Gln | Ser | Ala | Leu | Ala | Ile | Leu | Gln | Asn | Ala | Leu | Lys | Ser |
|     |     |     |     | 320 |     |     |     |     | 325 |     |     |     |     | 330 |
| Ala | Asn | Asp | Gly | Ile | Val | Ala | Glu | Tyr | Leu | Lys | Thr | Ser | Asp | Arg |
|     |     |     |     | 335 |     |     |     |     | 340 |     |     |     |     | 345 |
| Cys | Leu | Ala | Trp | Leu | Ala | Tyr | Ile | His | Leu | Ile | Glu | Phe | Asn | Ile |
|     |     |     |     | 350 |     |     |     |     | 355 |     |     |     |     | 360 |
| Leu | Pro | Ser | Lys | Phe | Tyr | Asp | Pro | Ser | Asn | Asp | Asn | Pro | Ser | Arg |
|     |     |     |     | 365 |     |     |     |     | 370 |     |     |     |     | 375 |
| Ile | Val | Asn | Thr | Glu | Ser | Phe | Val | Met | Pro | Trp | Gln | Ala | Val | Gln |
|     |     |     |     | 380 |     |     |     |     | 385 |     |     |     |     | 390 |
| Asp | Val | Lys | Thr | Asn | Pro | Asp | Met | Leu | Leu | Ala | Val | Phe | Glu | Asp |
|     |     |     |     | 395 |     |     |     |     | 400 |     |     |     |     | 405 |
| Ala | Val | Lys | Ala | Cys | Thr | Asp | Glu | Ser | Leu | Ala | Val | Glu | Glu | Arg |
|     |     |     |     | 410 |     |     |     |     | 415 |     |     |     |     | 420 |
| Ile | Glu | Ala | Cys | Leu | Pro | Leu | Tyr | Thr | Asn | Met | Ile | Ala | Leu | His |
|     |     |     |     | 425 |     |     |     |     | 430 |     |     |     |     | 435 |
| Gln | Leu | Leu | Glu | Arg | Tyr | Glu | Ala | Ala | Met | Glu | Leu | Cys | Lys | Ser |

|                     |     |                     |     |
|---------------------|-----|---------------------|-----|
| Leu Leu Glu Ser     | 440 | 445                 | 450 |
| Cys Pro Ile Asn Cys | 455 | Gln Leu Leu Glu Ala | Leu |
| Val Ala Leu Tyr     | 470 | 460                 | 465 |
| Leu Gln Thr Asn Gln | 475 | His Asp Lys Ala Arg | Ala |
| Val Trp Leu Thr     | 485 | 475                 | 480 |
| Ala Phe Glu Lys Asn | 490 | Pro Gln Asn Ala Glu | Val |
| Phe Tyr His Met     | 500 | 490                 | 495 |
| Cys Lys Phe Phe Ile | 505 | Leu Gln Asn Arg Gly | Asp |
| Asn Leu Leu Pro     | 515 | 505                 | 510 |
| Phe Leu Arg Lys Phe | 520 | Ile Ala Ser Phe Phe | Lys |
| Pro Gly Phe Glu     | 530 | 520                 | 525 |
| Lys Tyr Asn Asn Leu | 535 | Asp Leu Phe Arg Tyr | Leu |
| Leu Asn Ile Pro     | 545 | 535                 | 540 |
| Gly Pro Ile Asp Ile | 550 | Pro Ser Arg Leu Cys | Lys |
| Gly Asn Phe Asp     | 560 | 550                 | 555 |
| Asp Asp Met Phe Asn | 565 | His Gln Val Pro Tyr | Leu |
| Trp Leu Ile Tyr     | 575 | 565                 | 570 |
| Cys Leu Cys His Pro | 580 | Leu Gln Ser Ser Ile | Lys |
| Glu Thr Val Glu     | 590 | 580                 | 585 |
| Ala Tyr Glu Ala Ala | 595 | Leu Gly Val Ala Met | Arg |
| Cys Asp Ile Val     | 605 | 595                 | 600 |
| Gln Lys Ile Trp Met | 610 | Asp Tyr Leu Val Phe | Ala |
| Asn Asn Arg Ala     | 620 | 610                 | 615 |
| Ala Gly Ser Arg Asn | 625 | Lys Val Gln Glu Phe | Arg |
| Phe Phe Thr Asp     | 635 | 625                 | 630 |
| Leu Val Asn Arg Cys | 640 | Leu Val Thr Val Pro | Ala |
| Arg Tyr Pro Ile     | 650 | 640                 | 645 |
| Pro Phe Ser Ser Ala | 655 | Asp Tyr Trp Ser Asn | Tyr |
| Glu Phe His Asn     | 665 | 655                 | 660 |
| Arg Val Ile Phe Phe | 670 | Tyr Leu Ser Cys Val | Pro |
| Lys Thr Gln His     | 680 | 670                 | 675 |
| Ser Lys Thr Leu Glu | 685 | Arg Phe Cys Ser Val | Met |
| Pro Ala Asn Ser     | 695 | 685                 | 690 |
| Gly Leu Ala Leu Arg | 700 | Leu Leu Gln His Glu | Trp |
| Glu Glu Ser Asn     | 710 | 700                 | 705 |
| Val Gln Ile Leu Lys | 715 | Leu Gln Ala Lys Met | Phe |
| Thr Tyr Asn Ile     | 725 | 715                 | 720 |
| Pro Thr Cys Leu Ala | 730 | Thr Trp Lys Ile Ala | Ile |
| Ala Ala Glu Ile     | 740 | 730                 | 735 |
| Val Leu Lys Gly Gln | 745 | Arg Glu Val His Arg | Leu |
| Tyr Gln Arg Ala     | 755 | 745                 | 750 |
| Leu Gln Lys Leu Pro | 760 | Leu Cys Ala Ser Leu | Trp |
| Lys Asp Gln Leu     | 770 | 760                 | 765 |
| Leu Phe Glu Ala Ser | 775 | Glu Gly Gly Lys Thr | Asp |
| Asn Leu Arg Lys     | 785 | 775                 | 780 |
| Leu Val Ser Lys Cys | 790 | Gln Glu Ile Gly Val | Ser |
| Leu Asn Glu Leu     | 800 | 790                 | 795 |
| Leu Asn Leu Asn Ser | 805 | Asn Lys Thr Glu Ser | Lys |
| Asn His             |     |                     | 810 |

<210> 33  
 <211> 392  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte clone 2291241CD1

<400> 33  
 Met Asp Ala Leu Val Glu Asp Asp Ile Cys Ile Leu Asn His Glu

|   |     |     |     |
|---|-----|-----|-----|
| 1   | 5   | 10  | 15  |
| Lys Ala His Lys Arg Asp Thr Val Thr Pro Val Ser Ile Tyr Ser |     |     |     |
|   | 20  | 25  | 30  |
| Gly Asp Glu Ser Val Ala Ser His Phe Ala Leu Val Thr Ala Tyr |     |     |     |
|   | 35  | 40  | 45  |
| Glu Asp Ile Lys Lys Arg Leu Lys Asp Ser Glu Lys Glu Asn Ser |     |     |     |
|   | 50  | 55  | 60  |
| Leu Leu Lys Lys Arg Ile Arg Phe Leu Glu Glu Lys Leu Ile Ala |     |     |     |
|   | 65  | 70  | 75  |
| Arg Phe Glu Glu Glu Thr Ser Ser Val Gly Arg Glu Gln Val Asn |     |     |     |
|   | 80  | 85  | 90  |
| Lys Ala Tyr His Ala Tyr Arg Glu Val Cys Ile Asp Arg Asp Asn |     |     |     |
|   | 95  | 100 | 105 |
| Leu Lys Ser Lys Leu Asp Lys Met Asn Lys Asp Asn Ser Glu Ser |     |     |     |
|   | 110 | 115 | 120 |
| Leu Lys Val Leu Asn Glu Gln Leu Gln Ser Lys Glu Val Glu Leu |     |     |     |
|   | 125 | 130 | 135 |
| Leu Gln Leu Arg Thr Glu Val Glu Thr Gln Gln Val Met Arg Asn |     |     |     |
|   | 140 | 145 | 150 |
| Leu Asn Pro Pro Ser Ser Asn Trp Glu Val Glu Lys Leu Ser Cys |     |     |     |
|   | 155 | 160 | 165 |
| Asp Leu Lys Ile His Gly Leu Glu Gln Glu Leu Glu Leu Met Arg |     |     |     |
|   | 170 | 175 | 180 |
| Lys Glu Cys Ser Asp Leu Lys Ile Glu Leu Gln Lys Ala Lys Gln |     |     |     |
|   | 185 | 190 | 195 |
| Thr Asp Pro Tyr Gln Glu Asp Asn Leu Lys Ser Arg Asp Leu Gln |     |     |     |
|   | 200 | 205 | 210 |
| Lys Leu Ser Ile Ser Ser Asp Asn Met Gln His Ala Tyr Trp Glu |     |     |     |
|   | 215 | 220 | 225 |
| Leu Lys Arg Glu Met Ser Asn Leu His Leu Val Thr Gln Val Gln |     |     |     |
|   | 230 | 235 | 240 |
| Ala Glu Leu Leu Arg Lys Leu Lys Thr Ser Thr Ala Ile Lys Lys |     |     |     |
|   | 245 | 250 | 255 |
| Ala Cys Ala Pro Val Gly Cys Ser Glu Asp Leu Gly Arg Asp Ser |     |     |     |
|   | 260 | 265 | 270 |
| Thr Lys Leu His Leu Met Asn Phe Thr Ala Thr Tyr Thr Arg His |     |     |     |
|   | 275 | 280 | 285 |
| Pro Pro Leu Leu Pro Asn Gly Lys Ala Leu Cys His Thr Thr Ser |     |     |     |
|   | 290 | 295 | 300 |
| Ser Pro Leu Pro Gly Asp Val Lys Val Leu Ser Glu Lys Ala Ile |     |     |     |
|   | 305 | 310 | 315 |
| Leu Gln Ser Trp Thr Asp Asn Glu Arg Ser Ile Pro Asn Asp Gly |     |     |     |
|   | 320 | 325 | 330 |
| Thr Cys Phe Gln Glu His Ser Ser Tyr Gly Arg Asn Ser Leu Glu |     |     |     |
|   | 335 | 340 | 345 |
| Asp Asn Ser Trp Val Phe Pro Ser Pro Pro Lys Ser Ser Glu Thr |     |     |     |
|   | 350 | 355 | 360 |
| Ala Phe Gly Glu Thr Lys Thr Lys Thr Leu Pro Leu Pro Asn Leu |     |     |     |
|   | 365 | 370 | 375 |
| Pro Pro Leu His Tyr Leu Asp Gln His Asn Gln Asn Cys Leu Tyr |     |     |     |
|   | 380 | 385 | 390 |
| Lys Asn   |     |     |     |

&lt;210&gt; 34

&lt;211&gt; 60

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte clone 2329692CD1

&lt;400&gt; 34

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Met | Ile | Tyr | Phe | Phe | Ile | Ile | Ile | Val | Glu | Tyr | Phe | Tyr | Gly | Lys |
| 1   |     |     |     | 5   |     |     |     |     | 10  |     |     |     |     | 15  |
| Ile | Phe | Val | Val | Leu | Ile | Ile | Pro | Ile | Lys | Ile | Met | Pro | Asn | Thr |
|     |     |     |     | 20  |     |     |     |     | 25  |     |     |     |     | 30  |
| Lys | Tyr | Glu | Phe | Tyr | Asp | Val | His | Phe | Val | Leu | Gly | Ile | Lys | Arg |
|     |     |     |     | 35  |     |     |     |     | 40  |     |     |     |     | 45  |
| Lys | Lys | His | Thr | Ser | Trp | Lys | Ser | Val | Ser | Cys | Phe | Leu | Leu | Leu |
|     |     |     |     | 50  |     |     |     |     | 55  |     |     |     |     | 60  |

&lt;210&gt; 35

&lt;211&gt; 209

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte clone 2474110CD1

&lt;400&gt; 35

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Met | Asp | Pro | Ser | Asp | Ile | Tyr | Ala | Val | Ile | Gln | Ile | Pro | Gly | Ser |
| 1   |     |     |     | 5   |     |     |     |     | 10  |     |     |     |     | 15  |
| Arg | Glu | Phe | Asp | Val | Ser | Phe | Arg | Ser | Ala | Glu | Lys | Leu | Ala | Leu |
|     |     |     |     | 20  |     |     |     |     | 25  |     |     |     |     | 30  |
| Phe | Leu | Arg | Val | Tyr | Glu | Glu | Lys | Arg | Glu | Gln | Glu | Asp | Cys | Trp |
|     |     |     |     | 35  |     |     |     |     | 40  |     |     |     |     | 45  |
| Glu | Asn | Phe | Val | Val | Leu | Gly | Arg | Ser | Lys | Ser | Ser | Leu | Lys | Thr |
|     |     |     |     | 50  |     |     |     |     | 55  |     |     |     |     | 60  |
| Leu | Phe | Ile | Leu | Phe | Arg | Asn | Glu | Thr | Val | Asp | Val | Glu | Asp | Ile |
|     |     |     |     | 65  |     |     |     |     | 70  |     |     |     |     | 75  |
| Val | Thr | Trp | Leu | Lys | Arg | His | Cys | Asp | Val | Leu | Ala | Val | Pro | Val |
|     |     |     |     | 80  |     |     |     |     | 85  |     |     |     |     | 90  |
| Lys | Val | Thr | Asp | Arg | Phe | Gly | Ile | Trp | Thr | Gly | Glu | Tyr | Lys | Cys |
|     |     |     |     | 95  |     |     |     |     | 100 |     |     |     |     | 105 |
| Glu | Ile | Glu | Leu | Arg | Gln | Gly | Glu | Gly | Gly | Val | Arg | His | Leu | Pro |
|     |     |     |     | 110 |     |     |     |     | 115 |     |     |     |     | 120 |
| Gly | Ala | Phe | Phe | Leu | Gly | Ala | Glu | Arg | Gly | Tyr | Ser | Trp | Tyr | Lys |
|     |     |     |     | 125 |     |     |     |     | 130 |     |     |     |     | 135 |
| Gly | Gln | Pro | Lys | Thr | Cys | Phe | Lys | Cys | Gly | Ser | Arg | Thr | His | Met |
|     |     |     |     | 140 |     |     |     |     | 145 |     |     |     |     | 150 |
| Ser | Gly | Ser | Cys | Thr | Gln | Asp | Arg | Cys | Phe | Arg | Cys | Arg | Glu | Glu |
|     |     |     |     | 155 |     |     |     |     | 160 |     |     |     |     | 165 |
| Gly | His | Leu | Ser | Pro | Tyr | Cys | Arg | Lys | Gly | Ile | Val | Cys | Asn | Leu |
|     |     |     |     | 170 |     |     |     |     | 175 |     |     |     |     | 180 |
| Cys | Gly | Lys | Arg | Gly | His | Ala | Phe | Ala | Gln | Cys | Pro | Lys | Ala | Val |
|     |     |     |     | 185 |     |     |     |     | 190 |     |     |     |     | 195 |
| His | Asn | Ser | Val | Ala | Ala | Gln | Leu | Thr | Gly | Val | Ala | Gly | His |     |
|     |     |     |     | 200 |     |     |     |     | 205 |     |     |     |     |     |

&lt;210&gt; 36

&lt;211&gt; 257

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte clone 2495790CD1

&lt;400&gt; 36

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Met | Val | Gly | Ala | Gly | Ile | Ser | Thr | Pro | Ser | Gly | Ile | Pro | Asp | Phe |
| 1   |     |     |     | 5   |     |     |     |     |     | 10  |     |     |     | 15  |

```

Arg Ser Pro Gly Ser Gly Leu Tyr Ser Asn Leu Gln Gln Tyr Asp
      20      25
Leu Pro Tyr Pro Glu Ala Ile Phe Glu Leu Pro Phe Phe Phe His
      35      40
Asn Pro Lys Pro Phe Phe Thr Leu Ala Lys Glu Leu Tyr Pro Gly
      50      55
Asn Tyr Lys Pro Asn Val Thr His Tyr Phe Leu Arg Leu Leu His
      65      70
Asp Lys Gly Leu Leu Leu Arg Leu Tyr Thr Gln Asn Ile Asp Gly
      80      85
Leu Glu Arg Val Ser Gly Ile Pro Ala Ser Lys Leu Val Glu Ala
      95     100
His Gly Thr Phe Ala Ser Ala Thr Cys Thr Val Cys Gln Arg Pro
     110     115
Phe Pro Gly Glu Asp Ile Arg Ala Asp Val Met Ala Asp Arg Val
     125     130
Pro Arg Cys Pro Val Cys Thr Gly Val Val Lys Pro Asp Ile Val
     140     145
Phe Phe Gly Glu Pro Leu Pro Gln Arg Phe Leu Leu His Val Val
     155     160
Asp Phe Pro Met Ala Asp Leu Leu Leu Ile Leu Gly Thr Ser Leu
     170     175
Glu Val Glu Pro Phe Ala Ser Leu Thr Glu Ala Val Arg Ser Ser
     185     190
Val Pro Arg Leu Leu Ile Asn Arg Asp Leu Val Gly Pro Leu Ala
     200     205
Trp His Pro Arg Ser Arg Asp Val Ala Gln Leu Gly Asp Val Val
     215     220
His Gly Val Glu Ser Leu Val Glu Leu Leu Gly Trp Thr Glu Glu
     230     235
Met Arg Asp Leu Val Gln Arg Glu Thr Gly Lys Leu Asp Gly Pro
     245     250
Asp Lys

```

&lt;210&gt; 37

&lt;211&gt; 138

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte clone 2661254CD1

&lt;400&gt; 37

```

Met Ala Thr Lys Arg Leu Phe Gly Ala Thr Arg Thr Trp Ala Gly
  1      5      10
Trp Gly Ala Trp Glu Leu Leu Asn Pro Ala Thr Ser Gly Arg Leu
     20      25
Leu Ala Arg Asp Tyr Ala Lys Lys Pro Val Met Lys Gly Ala Lys
     35      40
Ser Gly Lys Gly Ala Val Thr Ser Glu Ala Leu Lys Asp Pro Asp
     50      55
Val Cys Thr Asp Pro Val Gln Leu Thr Thr Tyr Ala Met Gly Val
     65      70
Asn Ile Tyr Lys Glu Gly Gln Asp Val Pro Leu Lys Pro Asp Ala
     80      85
Glu Tyr Pro Glu Trp Leu Phe Glu Met Asn Leu Gly Pro Pro Lys
     95     100
Thr Leu Glu Glu Leu Asp Pro Glu Ser Arg Glu Tyr Trp Arg Arg
    110     115
Leu Arg Lys Gln Asn Ile Trp Arg His Asn Arg Leu Ser Lys Asn
    125     130

```

Lys Arg Leu

&lt;210&gt; 38

&lt;211&gt; 999

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte clone 2674047CD1

&lt;400&gt; 38

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Met | Gly | Pro | Ser | Arg | Leu | Arg | Leu | Gly | Phe | Phe | Xaa | Lys | Arg | Gly | 1   | 5   | 10  | 15  |
| Cys | Ser | Arg | Ala | Met | Val | Glu | Ile | Glu | Leu | Phe | Arg | Ala | Ser | Gly | 20  | 25  | 30  | 35  |
| Asn | Leu | Val | Ile | Thr | Arg | Glu | Ile | Asp | Val | Ala | Lys | Asn | Gln | Ser | 40  | 45  | 50  | 55  |
| Phe | Trp | Phe | Ile | Asn | Lys | Lys | Ser | Thr | Thr | Gln | Xaa | Ile | Val | Glu | 60  | 65  | 70  | 75  |
| Glu | Lys | Val | Ala | Ala | Leu | Asn | Ile | Gln | Val | Gly | Asn | Leu | Cys | Gln | 80  | 85  | 90  | 95  |
| Phe | Leu | Pro | Gln | Asp | Lys | Val | Gly | Glu | Phe | Ala | Lys | Leu | Ser | Lys | 100 | 105 | 110 | 115 |
| Ile | Glu | Leu | Leu | Glu | Ala | Thr | Glu | Lys | Ser | Ile | Gly | Pro | Pro | Glu | 120 | 125 | 130 | 135 |
| Met | His | Lys | Tyr | His | Cys | Glu | Leu | Lys | Asn | Leu | Arg | Glu | Lys | Glu | 140 | 145 | 150 | 155 |
| Lys | Gln | Leu | Glu | Thr | Ser | Cys | Lys | Glu | Lys | Thr | Glu | Tyr | Leu | Gln | 160 | 165 | 170 | 175 |
| Lys | Met | Val | Gln | Arg | Asn | Glu | Arg | Tyr | Lys | Gln | Asp | Val | Glu | Arg | 180 | 185 | 190 | 195 |
| Phe | Tyr | Glu | Arg | Lys | Arg | His | Leu | Asp | Leu | Ile | Glu | Met | Leu | Glu | 200 | 205 | 210 | 215 |
| Ala | Lys | Arg | Pro | Trp | Val | Glu | Tyr | Glu | Asn | Val | Arg | Gln | Glu | Tyr | 220 | 225 | 230 | 235 |
| Glu | Glu | Val | Lys | Leu | Val | Arg | Asp | Arg | Val | Lys | Glu | Glu | Val | Arg | 240 | 245 | 250 | 255 |
| Lys | Leu | Lys | Glu | Gly | Gln | Ile | Pro | Ile | Thr | Cys | Arg | Ile | Glu | Glu | 260 | 265 | 270 | 275 |
| Met | Glu | Asn | Glu | Arg | His | Asn | Leu | Glu | Ala | Arg | Ile | Lys | Glu | Lys | 280 | 285 | 290 | 295 |
| Ala | Thr | Asp | Ile | Lys | Glu | Ala | Ser | Gln | Lys | Cys | Lys | Gln | Lys | Gln | 300 | 305 | 310 | 315 |
| Asp | Val | Ile | Glu | Arg | Lys | Asp | Lys | His | Ile | Glu | Glu | Leu | Gln | Gln | 320 | 325 | 330 | 335 |
| Ala | Leu | Ile | Val | Lys | Gln | Asn | Glu | Glu | Leu | Asp | Arg | Gln | Arg | Arg | 340 | 345 | 350 | 355 |
| Ile | Gly | Asn | Thr | Arg | Lys | Met | Ile | Glu | Asp | Leu | Gln | Asn | Glu | Leu | 360 | 365 | 370 | 375 |
| Lys | Thr | Thr | Glu | Asn | Cys | Glu | Asn | Leu | Gln | Pro | Gln | Ile | Asp | Ala |     |     |     |     |
| Ile | Thr | Asn | Asp | Leu | Arg | Arg | Ile | Gln | Asp | Glu | Lys | Ala | Leu | Cys |     |     |     |     |
| Glu | Gly | Glu | Ile | Ile | Asp | Lys | Arg | Arg | Glu | Arg | Glu | Thr | Leu | Glu |     |     |     |     |
| Lys | Glu | Lys | Lys | Ser | Val | Asp | Asp | His | Ile | Val | Arg | Phe | Asp | Asn |     |     |     |     |
| Leu | Met | Asn | Gln | Lys | Glu | Asp | Lys | Leu | Arg | Gln | Arg | Phe | Arg | Asp |     |     |     |     |
| Thr | Tyr | Asp | Ala | Val | Leu | Trp | Leu | Arg | Asn | Asn | Arg | Asp | Lys | Phe |     |     |     |     |

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Lys | Gln | Arg | Val | Cys | Glu | Pro | Ile | Met | Leu | Thr | Ile | Asn | Met | Lys |
|     |     |     |     | 380 |     |     |     |     | 385 |     |     |     |     | 390 |
| Asp | Asn | Lys | Asn | Ala | Lys | Tyr | Ile | Glu | Asn | His | Ile | Pro | Ser | Asn |
|     |     |     |     | 395 |     |     |     |     | 400 |     |     |     |     | 405 |
| Asp | Leu | Arg | Ala | Phe | Val | Phe | Glu | Ser | Gln | Glu | Asp | Met | Glu | Val |
|     |     |     |     | 410 |     |     |     |     | 415 |     |     |     |     | 420 |
| Phe | Ile | Lys | Glu | Val | Arg | Asp | Asn | Lys | Lys | Leu | Arg | Val | Asn | Ala |
|     |     |     |     | 425 |     |     |     |     | 430 |     |     |     |     | 435 |
| Val | Ile | Ala | Pro | Lys | Ser | Ser | Tyr | Ala | Asp | Lys | Ala | Pro | Ser | Arg |
|     |     |     |     | 440 |     |     |     |     | 445 |     |     |     |     | 450 |
| Ser | Leu | Asn | Glu | Leu | Lys | Gln | Tyr | Gly | Phe | Phe | Ser | Tyr | Leu | Arg |
|     |     |     |     | 455 |     |     |     |     | 460 |     |     |     |     | 465 |
| Glu | Leu | Phe | Asp | Ala | Pro | Asp | Pro | Val | Met | Ser | Tyr | Leu | Cys | Cys |
|     |     |     |     | 470 |     |     |     |     | 475 |     |     |     |     | 480 |
| Gln | Tyr | His | Ile | His | Glu | Val | Pro | Val | Gly | Thr | Glu | Lys | Thr | Arg |
|     |     |     |     | 485 |     |     |     |     | 490 |     |     |     |     | 495 |
| Glu | Arg | Ile | Glu | Arg | Val | Ile | Gln | Glu | Thr | Arg | Leu | Lys | Gln | Ile |
|     |     |     |     | 500 |     |     |     |     | 505 |     |     |     |     | 510 |
| Tyr | Thr | Ala | Glu | Glu | Lys | Tyr | Val | Val | Lys | Thr | Ser | Phe | Tyr | Ser |
|     |     |     |     | 515 |     |     |     |     | 520 |     |     |     |     | 525 |
| Asn | Lys | Val | Ile | Ser | Ser | Asn | Thr | Ser | Leu | Lys | Val | Ala | Gln | Phe |
|     |     |     |     | 530 |     |     |     |     | 535 |     |     |     |     | 540 |
| Leu | Thr | Val | Thr | Val | Asp | Leu | Glu | Gln | Arg | Arg | His | Leu | Glu | Glu |
|     |     |     |     | 545 |     |     |     |     | 550 |     |     |     |     | 555 |
| Gln | Leu | Lys | Glu | Ile | His | Arg | Lys | Leu | Gln | Ala | Val | Asp | Ser | Gly |
|     |     |     |     | 560 |     |     |     |     | 565 |     |     |     |     | 570 |
| Leu | Ile | Ala | Leu | Arg | Glu | Thr | Ser | Lys | His | Leu | Glu | His | Lys | Asp |
|     |     |     |     | 575 |     |     |     |     | 580 |     |     |     |     | 585 |
| Asn | Glu | Leu | Arg | Gln | Lys | Lys | Lys | Glu | Leu | Leu | Glu | Arg | Lys | Thr |
|     |     |     |     | 590 |     |     |     |     | 595 |     |     |     |     | 600 |
| Lys | Lys | Arg | Gln | Leu | Glu | Gln | Lys | Ile | Ser | Ser | Lys | Leu | Gly | Ser |
|     |     |     |     | 605 |     |     |     |     | 610 |     |     |     |     | 615 |
| Leu | Lys | Leu | Met | Glu | Gln | Asp | Thr | Cys | Asn | Leu | Glu | Glu | Glu | Glu |
|     |     |     |     | 620 |     |     |     |     | 625 |     |     |     |     | 630 |
| Arg | Lys | Ala | Ser | Thr | Lys | Ile | Lys | Glu | Ile | Asn | Val | Gln | Lys | Ala |
|     |     |     |     | 635 |     |     |     |     | 640 |     |     |     |     | 645 |
| Lys | Leu | Val | Thr | Glu | Leu | Thr | Asn | Leu | Ile | Lys | Ile | Cys | Thr | Ser |
|     |     |     |     | 650 |     |     |     |     | 655 |     |     |     |     | 660 |
| Leu | His | Ile | Gln | Lys | Val | Asp | Leu | Ile | Leu | Gln | Asn | Thr | Thr | Val |
|     |     |     |     | 665 |     |     |     |     | 670 |     |     |     |     | 675 |
| Ile | Ser | Glu | Lys | Asn | Lys | Leu | Glu | Ser | Asp | Tyr | Met | Ala | Ala | Ser |
|     |     |     |     | 680 |     |     |     |     | 685 |     |     |     |     | 690 |
| Ser | Gln | Leu | Arg | Leu | Thr | Glu | Gln | His | Phe | Ile | Glu | Leu | Asp | Glu |
|     |     |     |     | 695 |     |     |     |     | 700 |     |     |     |     | 705 |
| Asn | Arg | Gln | Arg | Leu | Leu | Gln | Lys | Cys | Lys | Glu | Leu | Met | Lys | Arg |
|     |     |     |     | 710 |     |     |     |     | 715 |     |     |     |     | 720 |
| Ala | Arg | Gln | Val | Cys | Asn | Leu | Gly | Ala | Glu | Gln | Thr | Leu | Pro | Gln |
|     |     |     |     | 725 |     |     |     |     | 730 |     |     |     |     | 735 |
| Glu | Tyr | Gln | Thr | Gln | Val | Pro | Thr | Ile | Pro | Asn | Gly | His | Asn | Ser |
|     |     |     |     | 740 |     |     |     |     | 745 |     |     |     |     | 750 |
| Ser | Leu | Pro | Met | Val | Phe | Gln | Asp | Leu | Pro | Asn | Thr | Leu | Asp | Glu |
|     |     |     |     | 755 |     |     |     |     | 760 |     |     |     |     | 765 |
| Ile | Asp | Ala | Leu | Leu | Thr | Glu | Glu | Arg | Ser | Arg | Ala | Ser | Cys | Phe |
|     |     |     |     | 770 |     |     |     |     | 775 |     |     |     |     | 780 |
| Thr | Gly | Leu | Asn | Pro | Thr | Ile | Val | Gln | Glu | Tyr | Thr | Lys | Arg | Glu |
|     |     |     |     | 785 |     |     |     |     | 790 |     |     |     |     | 795 |
| Glu | Glu | Ile | Glu | Gln | Leu | Thr | Glu | Glu | Leu | Lys | Gly | Lys | Lys | Val |
|     |     |     |     | 800 |     |     |     |     | 805 |     |     |     |     | 810 |
| Glu | Leu | Asp | Gln | Tyr | Arg | Glu | Asn | Ile | Ser | Gln | Val | Lys | Glu | Arg |
|     |     |     |     | 815 |     |     |     |     | 820 |     |     |     |     | 825 |
| Trp | Leu | Asn | Pro | Leu | Lys | Glu | Leu | Val | Glu | Lys | Ile | Asn | Glu | Lys |
|     |     |     |     | 830 |     |     |     |     | 835 |     |     |     |     | 840 |
| Phe | Ser | Asn | Phe | Phe | Ser | Ser | Met | Gln | Cys | Ala | Gly | Glu | Val | Asp |
|     |     |     |     | 845 |     |     |     |     | 850 |     |     |     |     | 855 |

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Leu | His | Thr | Glu | Asn | Glu | Glu | Asp | Tyr | Asp | Lys | Tyr | Gly | Ile | Arg |
|     |     |     |     | 860 |     |     |     |     | 865 |     |     |     |     | 870 |
| Ile | Arg | Val | Lys | Phe | Arg | Ser | Ser | Thr | Gln | Leu | His | Glu | Leu | Thr |
|     |     |     |     | 875 |     |     |     |     | 880 |     |     |     |     | 885 |
| Pro | His | His | Gln | Ser | Gly | Gly | Glu | Arg | Ser | Val | Ser | Thr | Met | Leu |
|     |     |     |     | 890 |     |     |     |     | 895 |     |     |     |     | 900 |
| Tyr | Leu | Met | Ala | Leu | Gln | Glu | Leu | Asn | Arg | Cys | Pro | Phe | Arg | Val |
|     |     |     |     | 905 |     |     |     |     | 910 |     |     |     |     | 915 |
| Val | Asp | Glu | Ile | Asn | Gln | Gly | Met | Asp | Pro | Ile | Asn | Glu | Arg | Arg |
|     |     |     |     | 920 |     |     |     |     | 925 |     |     |     |     | 930 |
| Val | Phe | Glu | Met | Val | Val | Asn | Thr | Ala | Cys | Lys | Glu | Asn | Thr | Ser |
|     |     |     |     | 935 |     |     |     |     | 940 |     |     |     |     | 945 |
| Gln | Tyr | Phe | Phe | Ile | Thr | Pro | Lys | Leu | Leu | Gln | Asn | Leu | Pro | Tyr |
|     |     |     |     | 950 |     |     |     |     | 955 |     |     |     |     | 960 |
| Ser | Glu | Lys | Met | Thr | Val | Leu | Phe | Val | Tyr | Asn | Gly | Pro | His | Met |
|     |     |     |     | 965 |     |     |     |     | 970 |     |     |     |     | 975 |
| Leu | Glu | Pro | Asn | Thr | Trp | Asn | Leu | Lys | Ala | Phe | Gln | Arg | Arg | Arg |
|     |     |     |     | 980 |     |     |     |     | 985 |     |     |     |     | 990 |
| Arg | Arg | Ile | Thr | Phe | Thr | Gln | Pro | Ser |     |     |     |     |     |     |
|     |     |     |     | 995 |     |     |     |     |     |     |     |     |     |     |

&lt;210&gt; 39

&lt;211&gt; 377

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte clone 2762174CD1

&lt;400&gt; 39

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Met | Ala | Glu | Leu | Glu | Ser | His | Pro | Cys | Asp | Ile | Cys | Gly | Pro | Ile |
| 1   |     |     |     | 5   |     |     |     |     | 10  |     |     |     |     | 15  |
| Leu | Lys | Asp | Thr | Leu | His | Leu | Ala | Lys | Tyr | His | Gly | Gly | Lys | Ala |
|     |     |     |     | 20  |     |     |     |     | 25  |     |     |     |     | 30  |
| Arg | Gln | Lys | Pro | Tyr | Leu | Cys | Gly | Ala | Cys | Gly | Lys | Gln | Phe | Trp |
|     |     |     |     | 35  |     |     |     |     | 40  |     |     |     |     | 45  |
| Phe | Ser | Thr | Asp | Phe | Asp | Gln | His | Gln | Asn | Gln | Pro | Asn | Gly | Gly |
|     |     |     |     | 50  |     |     |     |     | 55  |     |     |     |     | 60  |
| Lys | Leu | Phe | Pro | Arg | Lys | Glu | Gly | Arg | Asp | Ser | Val | Lys | Ser | Cys |
|     |     |     |     | 65  |     |     |     |     | 70  |     |     |     |     | 75  |
| Arg | Val | His | Val | Pro | Glu | Lys | Thr | Leu | Thr | Cys | Gly | Lys | Gly | Arg |
|     |     |     |     | 80  |     |     |     |     | 85  |     |     |     |     | 90  |
| Arg | Asp | Phe | Ser | Ala | Thr | Ser | Gly | Leu | Leu | Gln | His | Gln | Ala | Ser |
|     |     |     |     | 95  |     |     |     |     | 100 |     |     |     |     | 105 |
| Leu | Ser | Ser | Met | Lys | Pro | His | Lys | Ser | Thr | Lys | Leu | Val | Ser | Gly |
|     |     |     |     | 110 |     |     |     |     | 115 |     |     |     |     | 120 |
| Phe | Leu | Met | Gly | Gln | Arg | Tyr | His | Arg | Cys | Gly | Glu | Cys | Gly | Lys |
|     |     |     |     | 125 |     |     |     |     | 130 |     |     |     |     | 135 |
| Ala | Phe | Thr | Arg | Lys | Asp | Thr | Leu | Ala | Arg | His | Gln | Arg | Ile | His |
|     |     |     |     | 140 |     |     |     |     | 145 |     |     |     |     | 150 |
| Thr | Gly | Glu | Arg | Pro | Tyr | Glu | Cys | Asn | Glu | Cys | Gly | Lys | Phe | Phe |
|     |     |     |     | 155 |     |     |     |     | 160 |     |     |     |     | 165 |
| Ser | Gln | Ser | Tyr | Asp | Leu | Phe | Lys | His | Gln | Thr | Val | His | Thr | Gly |
|     |     |     |     | 170 |     |     |     |     | 175 |     |     |     |     | 180 |
| Glu | Arg | Pro | Tyr | Glu | Cys | Ser | Glu | Cys | Gly | Lys | Phe | Phe | Arg | Gln |
|     |     |     |     | 185 |     |     |     |     | 190 |     |     |     |     | 195 |
| Ile | Ser | Gly | Leu | Ile | Glu | His | Arg | Arg | Val | His | Thr | Gly | Glu | Arg |
|     |     |     |     | 200 |     |     |     |     | 205 |     |     |     |     | 210 |
| Leu | Tyr | Gln | Cys | Gly | Lys | Cys | Gly | Lys | Phe | Phe | Ser | Ser | Lys | Ser |
|     |     |     |     | 215 |     |     |     |     | 220 |     |     |     |     | 225 |
| Asn | Leu | Ile | Arg | His | Gln | Glu | Val | His | Thr | Gly | Ala | Arg | Pro | Tyr |
|     |     |     |     | 230 |     |     |     |     | 235 |     |     |     |     | 240 |



|   |     |     |     |
|---|-----|-----|-----|
| Val Cys Ser Glu Cys Gly Lys Glu Phe Ser Arg Lys His Thr Leu | 245 | 250 | 255 |
| Val Leu His Gln Arg Thr His Thr Gly Glu Arg Pro Tyr Glu Cys | 260 | 265 | 270 |
| Ser Glu Cys Gly Lys Ala Phe Ser Gln Ser Ser His Leu Asn Val | 275 | 280 | 285 |
| His Trp Arg Ile His Ser Ser Asp Tyr Glu Cys Ser Arg Cys Gly | 290 | 295 | 300 |
| Lys Ala Phe Ser Cys Ile Ser Lys Leu Ile Gln His Gln Lys Val | 305 | 310 | 315 |
| His Ser Gly Glu Lys Pro Tyr Glu Cys Ser Lys Cys Gly Lys Ala | 320 | 325 | 330 |
| Phe Thr Gln Arg Pro Asn Leu Ile Arg His Trp Lys Val His Thr | 335 | 340 | 345 |
| Gly Glu Arg Pro Tyr Val Cys Ser Glu Cys Gly Arg Glu Phe Ile | 350 | 355 | 360 |
| Arg Lys Gln Thr Leu Val Leu His Gln Arg Val His Ala Gly Glu | 365 | 370 | 375 |
| Lys Leu   |     |     |     |

&lt;210&gt; 40

&lt;211&gt; 324

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte clone 2765991CD1

&lt;400&gt; 40

|   |     |     |     |
|---|-----|-----|-----|
| Met Asp Phe Pro Lys His Asn Gln Ile Ile Thr Glu Glu Thr Gly | 5   | 10  | 15  |
| Ser Ala Val Glu Pro Ser Asp Glu Ile Lys Arg Ala Ser Gly Asp | 20  | 25  | 30  |
| Val Gln Thr Met Lys Ile Ser Ser Val Pro Asn Ser Leu Ser Lys | 35  | 40  | 45  |
| Arg Asn Val Ser Leu Thr Arg Ser His Ser Val Gly Gly Pro Leu | 50  | 55  | 60  |
| Gln Asn Ile Asp Phe Thr Gln Arg Pro Phe His Gly Ile Ser Thr | 65  | 70  | 75  |
| Val Ser Leu Pro Gly Ser Leu Gln Glu Val Val Asp Pro Leu Gly | 80  | 85  | 90  |
| Lys Arg Pro Asn Pro Pro Pro Val Ser Val Pro Tyr Leu Ser Pro | 95  | 100 | 105 |
| Leu Val Leu Arg Lys Glu Leu Glu Ser Leu Leu Glu Asn Glu Gly | 110 | 115 | 120 |
| Asp Gln Val Ile His Thr Ser Ser Phe Ile Asn Gln His Pro Ile | 125 | 130 | 135 |
| Ile Phe Trp Asn Leu Val Trp Tyr Phe Arg Arg Leu Asp Leu Pro | 140 | 145 | 150 |
| Ser Asn Leu Pro Gly Leu Ile Leu Thr Ser Glu His Cys Asn Glu | 155 | 160 | 165 |
| Gly Val Gln Leu Pro Leu Ser Ser Leu Ser Gln Asp Ser Lys Leu | 170 | 175 | 180 |
| Val Tyr Ile Arg Leu Leu Trp Asp Asn Ile Asn Leu His Gln Glu | 185 | 190 | 195 |
| Pro Arg Glu Pro Leu Tyr Val Ser Trp Arg Asn Phe Asn Ser Glu | 200 | 205 | 210 |
| Lys Lys Ser Ser Leu Leu Ser Glu Glu Gln Gln Glu Thr Ser Thr | 215 | 220 | 225 |
| Leu Val Glu Thr Ile Arg Gln Ser Ile Gln His Asn Asn Val Leu | 230 | 235 | 240 |

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Lys | Pro | Ile | Asn | Leu | Leu | Ser | Gln | Gln | Met | Lys | Pro | Gly | Met | Lys |
|     |     |     |     | 245 |     |     |     |     | 250 |     |     |     |     | 255 |
| Arg | Gln | Arg | Ser | Leu | Tyr | Arg | Glu | Ile | Leu | Phe | Leu | Ser | Leu | Val |
|     |     |     |     | 260 |     |     |     |     | 265 |     |     |     |     | 270 |
| Ser | Leu | Gly | Arg | Glu | Asn | Ile | Asp | Ile | Glu | Ala | Phe | Asp | Asn | Glu |
|     |     |     |     | 275 |     |     |     |     | 280 |     |     |     |     | 285 |
| Tyr | Gly | Ile | Ala | Tyr | Asn | Ser | Leu | Ser | Ser | Glu | Ile | Leu | Glu | Arg |
|     |     |     |     | 290 |     |     |     |     | 295 |     |     |     |     | 300 |
| Leu | Gln | Lys | Ile | Asp | Ala | Pro | Pro | Ser | Ala | Ser | Val | Glu | Trp | Cys |
|     |     |     |     | 305 |     |     |     |     | 310 |     |     |     |     | 315 |
| Arg | Lys | Cys | Phe | Gly | Ala | Pro | Leu | Ile |     |     |     |     |     |     |
|     |     |     |     | 320 |     |     |     |     |     |     |     |     |     |     |

&lt;210&gt; 41

&lt;211&gt; 270

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte clone 2775157CD1

&lt;400&gt; 41

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Met | Pro | Cys | Pro | Met | Leu | Leu | Pro | Ser | Gly | Lys | Val | Ile | Asp | Gln |
| 1   |     |     |     | 5   |     |     |     |     | 10  |     |     |     |     | 15  |
| Ser | Thr | Leu | Glu | Lys | Cys | Asn | Arg | Ser | Glu | Ala | Thr | Trp | Gly | Arg |
|     |     |     |     | 20  |     |     |     |     | 25  |     |     |     |     | 30  |
| Val | Pro | Ser | Asp | Pro | Phe | Thr | Gly | Val | Ala | Phe | Thr | Pro | His | Ser |
|     |     |     |     | 35  |     |     |     |     | 40  |     |     |     |     | 45  |
| Gln | Pro | Leu | Pro | His | Pro | Ser | Leu | Lys | Ala | Arg | Ile | Asp | His | Phe |
|     |     |     |     | 50  |     |     |     |     | 55  |     |     |     |     | 60  |
| Leu | Leu | Gln | His | Ser | Ile | Pro | Gly | Cys | His | Leu | Leu | Gly | Arg | Ala |
|     |     |     |     | 65  |     |     |     |     | 70  |     |     |     |     | 75  |
| Gln | Thr | Ala | Leu | Ala | Val | Ile | Pro | Ser | Ser | Ile | Val | Leu | Pro | Ser |
|     |     |     |     | 80  |     |     |     |     | 85  |     |     |     |     | 90  |
| Gln | Lys | Arg | Lys | Ile | Glu | Gln | Ala | Glu | His | Val | Pro | Asp | Ser | Asn |
|     |     |     |     | 95  |     |     |     |     | 100 |     |     |     |     | 105 |
| Phe | Gly | Val | Asn | Ala | Ser | Cys | Phe | Ser | Ala | Thr | Ser | Pro | Leu | Val |
|     |     |     |     | 110 |     |     |     |     | 115 |     |     |     |     | 120 |
| Leu | Pro | Thr | Thr | Ser | Glu | His | Thr | Ala | Lys | Lys | Met | Lys | Ala | Thr |
|     |     |     |     | 125 |     |     |     |     | 130 |     |     |     |     | 135 |
| Asn | Glu | Pro | Ser | Leu | Thr | His | Met | Asp | Cys | Ser | Thr | Gly | Pro | Leu |
|     |     |     |     | 140 |     |     |     |     | 145 |     |     |     |     | 150 |
| Ser | His | Glu | Gln | Lys | Leu | Ser | Gln | Ser | Leu | Glu | Ile | Ala | Leu | Ala |
|     |     |     |     | 155 |     |     |     |     | 160 |     |     |     |     | 165 |
| Ser | Thr | Leu | Gly | Ser | Met | Pro | Ser | Phe | Thr | Ala | Arg | Leu | Thr | Arg |
|     |     |     |     | 170 |     |     |     |     | 175 |     |     |     |     | 180 |
| Gly | Gln | Leu | Gln | His | Leu | Gly | Thr | Arg | Gly | Ser | Asn | Thr | Ser | Trp |
|     |     |     |     | 185 |     |     |     |     | 190 |     |     |     |     | 195 |
| Arg | Pro | Gly | Thr | Gly | Ser | Glu | Gln | Pro | Gly | Ser | Ile | Leu | Gly | Pro |
|     |     |     |     | 200 |     |     |     |     | 205 |     |     |     |     | 210 |
| Glu | Cys | Ala | Ser | Cys | Lys | Arg | Val | Phe | Ser | Pro | Tyr | Phe | Lys | Lys |
|     |     |     |     | 215 |     |     |     |     | 220 |     |     |     |     | 225 |
| Glu | Pro | Val | Tyr | Gln | Leu | Pro | Cys | Gly | His | Leu | Leu | Cys | Arg | Pro |
|     |     |     |     | 230 |     |     |     |     | 235 |     |     |     |     | 240 |
| Cys | Leu | Gly | Glu | Lys | Gln | Arg | Ser | Leu | Pro | Met | Thr | Cys | Thr | Ala |
|     |     |     |     | 245 |     |     |     |     | 250 |     |     |     |     | 255 |
| Cys | Gln | Arg | Pro | Val | Ala | Ser | Gln | Asp | Val | Leu | Arg | Val | His | Phe |
|     |     |     |     | 260 |     |     |     |     | 265 |     |     |     |     | 270 |

&lt;210&gt; 42

&lt;211&gt; 252

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte clone 2918375CD1

&lt;400&gt; 42

```

Met Leu Arg Lys Gly Ile Cys Glu Tyr His Glu Lys Asn Tyr Ala
 1          5          10          15
Ala Ala Leu Glu Thr Phe Thr Glu Gly Gln Lys Leu Asp Ser Ala
          20          25          30
Asp Ala Asn Phe Ser Val Trp Ile Lys Arg Cys Gln Glu Ala Gln
          35          40          45
Asn Gly Ser Glu Ser Glu Val Trp Thr His Gln Ser Lys Ile Lys
          50          55          60
Tyr Asp Trp Tyr Gln Thr Glu Ser Gln Val Val Ile Thr Leu Met
          65          70          75
Ile Lys Asn Val Gln Lys Asn Asp Val Asn Val Glu Phe Ser Glu
          80          85          90
Lys Glu Leu Ser Ala Leu Val Lys Leu Pro Ser Gly Glu Asp Tyr
          95          100          105
Asn Leu Lys Leu Glu Leu Leu His Pro Ile Ile Pro Glu Gln Ser
          110          115          120
Thr Phe Lys Val Leu Ser Thr Lys Ile Glu Ile Lys Leu Lys Lys
          125          130          135
Pro Glu Ala Val Arg Trp Glu Lys Leu Glu Gly Gln Gly Asp Val
          140          145          150
Pro Thr Pro Lys Gln Phe Val Ala Asp Val Lys Asn Leu Tyr Pro
          155          160          165
Ser Ser Ser Pro Tyr Thr Arg Asn Trp Asp Lys Leu Val Gly Glu
          170          175          180
Ile Lys Glu Glu Glu Lys Asn Glu Lys Leu Glu Gly Asp Ala Ala
          185          190          195
Leu Asn Arg Leu Phe Gln Gln Ile Tyr Ser Asp Gly Ser Asp Glu
          200          205          210
Val Lys Arg Ala Met Asn Lys Ser Phe Met Glu Ser Gly Gly Thr
          215          220          225
Val Leu Ser Thr Asn Trp Ser Asp Val Gly Lys Arg Lys Val Glu
          230          235          240
Ile Asn Pro Pro Asp Asp Met Glu Trp Lys Lys Tyr
          245          250

```

&lt;210&gt; 43

&lt;211&gt; 228

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte clone 3149729CD1

&lt;400&gt; 43

```

Met Thr Met Gly Asp Lys Lys Ser Pro Thr Arg Pro Lys Arg Gln
 1          5          10          15
Ala Lys Pro Ala Ala Asp Glu Gly Phe Trp Asp Cys Ser Val Cys
          20          25          30
Thr Phe Arg Asn Ser Ala Glu Ala Phe Lys Cys Ser Ile Cys Asp
          35          40          45
Val Arg Lys Gly Thr Ser Thr Arg Lys Pro Arg Ile Asn Ser Gln
          50          55          60

```

```

Leu Val Ala Gln Gln Val Ala Gln Gln Tyr Ala Thr Pro Pro Pro
      65      70      75
Pro Lys Lys Glu Lys Lys Glu Lys Val Glu Lys Gln Asp Lys Glu
      80      85      90
Lys Pro Glu Lys Asp Lys Glu Ile Ser Pro Ser Val Thr Lys Lys
      95     100     105
Asn Thr Asn Lys Lys Thr Lys Pro Lys Ser Asp Ile Leu Lys Asp
     110     115     120
Pro Pro Ser Glu Ala Asn Ser Ile Gln Ser Ala Asn Ala Thr Thr
     125     130     135
Lys Thr Ser Glu Thr Asn His Thr Ser Arg Pro Arg Leu Lys Asn
     140     145     150
Val Asp Arg Ser Thr Ala Gln Gln Leu Ala Val Thr Val Gly Asn
     155     160     165
Val Thr Val Ile Ile Thr Asp Phe Lys Glu Lys Thr Arg Ser Ser
     170     175     180
Ser Thr Ser Ser Ser Thr Val Thr Ser Ser Ala Gly Ser Glu Gln
     185     190     195
Gln Asn Gln Ser Ser Ser Gly Ser Glu Ser Thr Asp Lys Gly Ser
     200     205     210
Ser Arg Ser Ser Thr Pro Lys Gly Asp Met Ser Ala Val Asn Asp
     215     220     225
Glu Ser Phe

```

<210> 44  
 <211> 117  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte clone 3705895CD1

```

<400> 44
Met Ala Ala Ala Ala Ala Ala Gly Ser Gly Thr Pro Arg Glu Glu
  1      5      10      15
Glu Gly Pro Ala Gly Glu Ala Ala Ala Ser Gln Pro Gln Ala Pro
      20      25      30
Thr Ser Val Pro Gly Ala Arg Leu Ser Arg Leu Pro Leu Ala Arg
      35      40      45
Val Lys Ala Leu Val Lys Ala Asp Pro Asp Val Thr Leu Ala Gly
      50      55      60
Gln Glu Ala Ile Phe Ile Leu Ala Arg Ala Ala Glu Leu Phe Val
      65      70      75
Glu Thr Ile Ala Lys Asp Ala Tyr Cys Cys Ala Gln Gln Gly Lys
      80      85      90
Arg Lys Thr Leu Gln Arg Arg Asp Leu Asp Asn Ala Ile Glu Ala
      95     100     105
Val Asp Glu Phe Ala Phe Leu Glu Gly Thr Leu Asp
     110     115

```

<210> 45  
 <211> 252  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte clone 003256CD1

<400> 45  
Met Thr Pro Lys Leu Gly Arg Gly Val Leu Glu Gly Asp Asp Val  
1 5 10 15  
Leu Phe Tyr Asp Glu Ser Pro Pro Pro Arg Pro Lys Leu Ser Ala  
20 25 30  
Leu Ala Glu Ala Lys Lys Leu Ala Ala Ile Thr Lys Leu Arg Ala  
35 40 45  
Lys Gly Gln Val Leu Thr Lys Thr Asn Pro Asn Ser Ile Lys Lys  
50 55 60  
Lys Gln Lys Asp Pro Gln Asp Ile Leu Glu Val Lys Glu Arg Val  
65 70 75  
Glu Lys Asn Thr Met Phe Ser Ser Gln Ala Glu Asp Glu Leu Glu  
80 85 90  
Pro Ala Arg Lys Lys Arg Arg Glu Gln Leu Ala Tyr Leu Glu Ser  
95 100 105  
Glu Glu Phe Gln Lys Ile Leu Lys Ala Lys Ser Lys His Thr Gly  
110 115 120  
Ile Leu Lys Glu Ala Glu Ala Glu Met Gln Glu Arg Tyr Phe Glu  
125 130 135  
Pro Leu Val Lys Lys Glu Gln Met Glu Glu Lys Met Arg Asn Ile  
140 145 150  
Arg Glu Val Lys Cys Arg Val Val Thr Cys Lys Thr Cys Ala Tyr  
155 160 165  
Thr His Phe Lys Leu Leu Glu Thr Cys Val Ser Glu Gln His Glu  
170 175 180  
Tyr His Trp His Asp Gly Val Lys Arg Phe Phe Lys Cys Pro Cys  
185 190 195  
Gly Asn Arg Ser Ile Ser Leu Asp Arg Leu Pro Asn Lys His Cys  
200 205 210  
Ser Asn Cys Gly Leu Tyr Lys Trp Glu Arg Asp Gly Met Leu Lys  
215 220 225  
Glu Lys Thr Gly Pro Lys Ile Gly Gly Glu Thr Leu Leu Pro Arg  
230 235 240  
Gly Glu Glu His Ala Lys Phe Leu Asn Ser Leu Lys  
245 250

<210> 46  
<211> 530  
<212> PRT  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte clone 156986CD1

<400> 46  
Met Ala Lys Gly Glu Gly Ala Glu Ser Gly Ser Ala Ala Gly Leu  
1 5 10 15  
Leu Pro Thr Ser Ile Leu Gln Ser Thr Glu Arg Pro Ala Gln Val  
20 25 30  
Lys Lys Glu Pro Lys Lys Lys Lys Gln Leu Ser Val Cys Asn  
35 40 45  
Lys Leu Cys Tyr Ala Leu Gly Gly Ala Pro Tyr Gln Val Thr Gly  
50 55 60  
Cys Ala Leu Gly Phe Phe Leu Gln Ile Tyr Leu Leu Asp Val Ala  
65 70 75  
Gln Val Gly Pro Phe Ser Ala Ser Ile Ile Leu Phe Val Gly Arg  
80 85 90  
Ala Trp Asp Ala Ile Thr Asp Pro Leu Val Gly Leu Cys Ile Ser  
95 100 105  
Lys Ser Pro Trp Thr Cys Leu Gly Arg Leu Met Pro Trp Ile Ile  
110 115 120

|                 |                     |                     |     |
|-----------------|---------------------|---------------------|-----|
| Phe Ser Thr Pro | Leu Ala Val Ile Ala | Tyr Phe Leu Ile Trp | Phe |
| 125             | 130                 | 135                 |     |
| Val Pro Asp Phe | Pro His Gly Gln Thr | Tyr Trp Tyr Leu Leu | Phe |
| 140             | 145                 | 150                 |     |
| Tyr Cys Leu Phe | Glu Thr Met Val Thr | Cys Phe His Val Pro | Tyr |
| 155             | 160                 | 165                 |     |
| Ser Ala Leu Thr | Met Phe Ile Ser Thr | Glu Gln Thr Glu Arg | Asp |
| 170             | 175                 | 180                 |     |
| Ser Ala Thr Ala | Tyr Arg Met Thr Val | Glu Val Leu Gly Thr | Val |
| 185             | 190                 | 195                 |     |
| Leu Gly Thr Ala | Ile Gln Gly Gln Ile | Val Gly Gln Ala Asp | Thr |
| 200             | 205                 | 210                 |     |
| Pro Cys Phe Gln | Asp Leu Asn Ser Ser | Thr Val Ala Ser Gln | Ser |
| 215             | 220                 | 225                 |     |
| Ala Asn His Thr | His Gly Thr Thr Ser | His Arg Glu Thr Gln | Lys |
| 230             | 235                 | 240                 |     |
| Ala Tyr Leu Leu | Ala Ala Gly Val Ile | Val Cys Ile Tyr Ile | Ile |
| 245             | 250                 | 255                 |     |
| Cys Ala Val Ile | Leu Ile Leu Gly Val | Arg Glu Gln Arg Glu | Pro |
| 260             | 265                 | 270                 |     |
| Tyr Glu Ala Gln | Gln Ser Glu Pro Ile | Ala Tyr Phe Arg Gly | Leu |
| 275             | 280                 | 285                 |     |
| Arg Leu Val Met | Ser His Gly Pro Tyr | Ile Lys Leu Ile Thr | Gly |
| 290             | 295                 | 300                 |     |
| Phe Leu Phe Thr | Ser Leu Ala Phe Met | Leu Val Glu Gly Asn | Phe |
| 305             | 310                 | 315                 |     |
| Val Leu Phe Cys | Thr Tyr Thr Leu Gly | Phe Arg Asn Glu Phe | Gln |
| 320             | 325                 | 330                 |     |
| Asn Leu Leu Leu | Ala Ile Met Leu Ser | Ala Thr Leu Thr Ile | Pro |
| 335             | 340                 | 345                 |     |
| Ile Trp Gln Trp | Phe Leu Thr Arg Phe | Gly Lys Lys Thr Ala | Val |
| 350             | 355                 | 360                 |     |
| Tyr Val Gly Ile | Ser Ser Ala Val Pro | Phe Leu Ile Leu Val | Ala |
| 365             | 370                 | 375                 |     |
| Leu Met Glu Ser | Asn Leu Ile Ile Thr | Tyr Ala Val Ala Val | Ala |
| 380             | 385                 | 390                 |     |
| Ala Gly Ile Ser | Val Ala Ala Ala Phe | Leu Leu Pro Trp Ser | Met |
| 395             | 400                 | 405                 |     |
| Leu Pro Asp Val | Ile Asp Asp Phe His | Leu Lys Gln Pro His | Phe |
| 410             | 415                 | 420                 |     |
| His Gly Thr Glu | Pro Ile Phe Phe Ser | Phe Tyr Val Phe Phe | Thr |
| 425             | 430                 | 435                 |     |
| Lys Phe Ala Ser | Gly Val Ser Leu Gly | Ile Ser Thr Leu Ser | Leu |
| 440             | 445                 | 450                 |     |
| Asp Phe Ala Gly | Tyr Gln Thr Arg Gly | Cys Ser Gln Pro Glu | Arg |
| 455             | 460                 | 465                 |     |
| Val Lys Phe Thr | Leu Asn Met Leu Val | Thr Met Ala Pro Ile | Val |
| 470             | 475                 | 480                 |     |
| Leu Ile Leu Leu | Gly Leu Leu Leu Phe | Lys Met Tyr Pro Ile | Asp |
| 485             | 490                 | 495                 |     |
| Glu Glu Arg Arg | Arg Gln Asn Lys Lys | Ala Leu Gln Ala Leu | Arg |
| 500             | 505                 | 510                 |     |
| Asp Glu Ala Ser | Ser Ser Gly Cys Ser | Glu Thr Asp Ser Thr | Glu |
| 515             | 520                 | 525                 |     |
| Leu Ala Ser Ile | Leu                 |                     |     |
| 530             |                     |                     |     |

<210> 47  
 <211> 355  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte clone 319415CD1

<400> 47

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Met | Gly | Cys | Val | Phe | Gln | Ser | Thr | Glu | Asp | Lys | Cys | Ile | Phe | Lys | 1   | 5   | 10  | 15  |
| Ile | Asp | Trp | Thr | Leu | Ser | Pro | Gly | Glu | His | Ala | Lys | Asp | Glu | Tyr | 20  | 25  | 30  | 35  |
| Val | Leu | Tyr | Tyr | Tyr | Ser | Asn | Leu | Ser | Val | Pro | Ile | Gly | Arg | Phe | 40  | 45  | 50  | 55  |
| Gln | Asn | Arg | Val | His | Leu | Met | Gly | Asp | Ile | Leu | Cys | Asn | Asp | Gly | 60  | 65  | 70  | 75  |
| Ser | Leu | Leu | Leu | Gln | Asp | Val | Gln | Glu | Ala | Asp | Gln | Gly | Thr | Tyr | 80  | 85  | 90  | 95  |
| Ile | Cys | Glu | Ile | Arg | Leu | Lys | Gly | Glu | Ser | Gln | Val | Phe | Lys | Lys | 100 | 105 | 110 | 115 |
| Ala | Val | Val | Leu | His | Val | Leu | Pro | Glu | Glu | Pro | Lys | Glu | Leu | Met | 120 | 125 | 130 | 135 |
| Val | His | Val | Gly | Gly | Leu | Ile | Gln | Met | Gly | Cys | Val | Phe | Gln | Ser | 140 | 145 | 150 | 155 |
| Thr | Glu | Val | Lys | His | Val | Thr | Lys | Val | Glu | Trp | Ile | Phe | Ser | Gly | 160 | 165 | 170 | 175 |
| Arg | Arg | Ala | Lys | Glu | Glu | Ile | Val | Phe | Arg | Tyr | Tyr | His | Lys | Leu | 180 | 185 | 190 | 195 |
| Arg | Met | Ser | Val | Glu | Tyr | Ser | Gln | Ser | Trp | Gly | His | Phe | Gln | Asn | 200 | 205 | 210 | 215 |
| Arg | Val | Asn | Leu | Val | Gly | Asp | Ile | Phe | Arg | Asn | Asp | Gly | Ser | Ile | 220 | 225 | 230 | 235 |
| Met | Leu | Gln | Gly | Val | Arg | Glu | Ser | Asp | Gly | Gly | Asn | Tyr | Thr | Cys | 240 | 245 | 250 | 255 |
| Ser | Ile | His | Leu | Gly | Asn | Leu | Val | Phe | Lys | Lys | Thr | Ile | Val | Leu | 260 | 265 | 270 | 275 |
| His | Val | Ser | Pro | Glu | Glu | Pro | Arg | Thr | Leu | Val | Thr | Pro | Ala | Ala | 280 | 285 | 290 | 295 |
| Leu | Arg | Pro | Leu | Val | Leu | Gly | Gly | Asn | Gln | Leu | Val | Ile | Ile | Val | 300 | 305 | 310 | 315 |
| Gly | Ile | Val | Cys | Ala | Thr | Ile | Leu | Leu | Leu | Pro | Val | Leu | Ile | Leu | 320 | 325 | 330 | 335 |
| Ile | Val | Lys | Lys | Thr | Cys | Gly | Asn | Lys | Ser | Ser | Val | Asn | Ser | Thr | 340 | 345 | 350 | 355 |
| Val | Leu | Val | Lys | Asn | Thr | Lys | Lys | Thr | Asn | Pro | Glu | Ile | Lys | Glu |     |     |     |     |
| Lys | Pro | Cys | His | Phe | Glu | Arg | Cys | Glu | Gly | Glu | Lys | His | Ile | Tyr |     |     |     |     |
| Ser | Pro | Ile | Ile | Val | Arg | Glu | Val | Ile | Glu | Glu | Glu | Glu | Pro | Ser |     |     |     |     |
| Glu | Lys | Ser | Glu | Ala | Thr | Tyr | Met | Thr | Met | His | Pro | Val | Trp | Pro |     |     |     |     |
| Ser | Leu | Arg | Ser | Asp | Arg | Asn | Asn | Ser | Leu | Glu | Lys | Lys | Ser | Gly |     |     |     |     |
| Gly | Gly | Met | Pro | Lys | Thr | Gln | Gln | Ala | Phe |     |     |     |     |     |     |     |     |     |

<210> 48  
 <211> 136  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature

&lt;223&gt; Incyte clone 635581CD1

&lt;400&gt; 48

```

Met Val Gly Gln Thr Glu Asp Asp Thr Ala Gln Gln Leu Val Pro
 1          5          10          15
Thr Cys Gly Met Lys Gly Val Gly Glu Arg Ile Val Glu Tyr Val
          20          25          30
Ser Asn Ile Pro Ala Leu Gln Arg Ala Thr Pro Lys Gly Leu Ala
          35          40          45
Ser Val Ser Pro Asp Leu Glu His Arg Gln Glu Trp Thr Tyr Ser
          50          55          60
Lys Ser Pro Leu Met Gly Lys Gly Thr Arg Leu Glu Ala Ser Glu
          65          70          75
Asn Lys Arg Ala Gly Trp Leu Ala Ala Ala Pro Glu Asn Leu Lys
          80          85          90
Tyr His Arg Gln Ile Ala Gln Gly Ala Lys Asp Tyr Glu Ile Leu
          95          100          105
Lys Lys Glu Thr Asn Lys Phe Ile Leu Arg Ile Tyr Thr His Trp
          110          115          120
Ser Arg Arg Ser Ile Leu Arg Lys Gly Ser Lys Gly Met Gln Asn
          125          130          135
Leu

```

&lt;210&gt; 49

&lt;211&gt; 230

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte clone 921803CD1

&lt;400&gt; 49

```

Met Lys Leu Ile Val Gly Ile Gly Gly Met Thr Asn Gly Gly Lys
 1          5          10          15
Thr Thr Leu Thr Asn Ser Leu Leu Arg Ala Leu Pro Asn Cys Cys
          20          25          30
Val Ile His Gln Asp Asp Phe Phe Lys Pro Gln Asp Gln Ile Ala
          35          40          45
Val Gly Glu Asp Gly Phe Lys Gln Trp Asp Val Leu Glu Ser Leu
          50          55          60
Asp Met Glu Ala Met Leu Asp Thr Val Gln Ala Trp Leu Ser Ser
          65          70          75
Pro Gln Lys Phe Ala Arg Ala His Gly Val Ser Val Gln Pro Glu
          80          85          90
Ala Ser Asp Thr His Ile Leu Leu Leu Glu Gly Phe Leu Leu Tyr
          95          100          105
Ser Tyr Lys Pro Leu Val Asp Leu Tyr Ser Arg Arg Tyr Phe Leu
          110          115          120
Thr Val Pro Tyr Glu Glu Cys Lys Trp Arg Arg Ser Thr Arg Asn
          125          130          135
Tyr Thr Val Pro Asp Pro Pro Gly Leu Phe Asp Gly His Val Trp
          140          145          150
Pro Met Tyr Gln Lys Tyr Arg Gln Glu Met Glu Ala Asn Gly Val
          155          160          165
Glu Val Val Tyr Leu Asp Gly Met Lys Ser Arg Glu Glu Leu Phe
          170          175          180
Arg Glu Val Leu Glu Asp Ile Gln Asn Ser Leu Leu Asn Arg Ser
          185          190          195
Gln Glu Ser Ala Pro Ser Pro Ala Arg Pro Ala Arg Thr Gln Gly
          200          205          210

```



Pro Gly Arg Gly Cys Gly His Arg Thr Ala Arg Pro Ala Ala Ser  
 215 220 225  
 Gln Gln Asp Ser Met  
 230

<210> 50  
 <211> 70  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte clone 1250492CD1

<400> 50  
 Met Thr Ile Lys Leu Arg Pro Leu Pro Phe Phe Lys Pro Lys Ser  
 1 5 10 15  
 Gly Asn Gln Glu Gln Gln Leu His Gly Leu Leu Ala Pro Asp Gln  
 20 25 30  
 Pro Gly Ser Gly Asp Ile Val Ser Leu Phe Gly Asn Cys Arg Pro  
 35 40 45  
 Gln Gly Val Gly Leu Ser His Phe Leu Val Leu Pro Thr Phe Pro  
 50 55 60  
 Ile Arg Ala Ser Ser Arg Gly Gln Val Cys  
 65 70

<210> 51  
 <211> 169  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte clone 1427838CD1

<400> 51  
 Met Leu Ala Phe Ser Glu Met Pro Lys Pro Pro Asp Tyr Ser Glu  
 1 5 10 15  
 Leu Ser Asp Ser Leu Thr Leu Ala Val Gly Thr Gly Arg Phe Ser  
 20 25 30  
 Gly Pro Leu His Arg Ala Trp Arg Met Met Asn Phe Arg Gln Arg  
 35 40 45  
 Met Gly Trp Ile Gly Val Gly Leu Tyr Leu Leu Ala Ser Ala Ala  
 50 55 60  
 Ala Phe Tyr Tyr Val Phe Glu Ile Ser Glu Thr Tyr Asn Arg Leu  
 65 70 75  
 Ala Leu Glu His Ile Gln Gln His Pro Glu Glu Pro Leu Glu Gly  
 80 85 90  
 Thr Thr Trp Thr His Ser Leu Lys Ala Gln Leu Leu Ser Leu Pro  
 95 100 105  
 Phe Trp Val Trp Thr Val Ile Phe Leu Val Pro Tyr Leu Gln Met  
 110 115 120  
 Phe Leu Phe Leu Tyr Ser Cys Thr Arg Ala Asp Pro Lys Thr Val  
 125 130 135  
 Gly Tyr Cys Ile Ile Pro Ile Cys Leu Ala Val Ile Cys Asn Arg  
 140 145 150  
 His Gln Ala Phe Val Lys Ala Ser Asn Gln Ile Ser Arg Leu Gln  
 155 160 165  
 Leu Ile Asp Thr

<210> 52  
 <211> 359  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte clone 1448258CD1

<400> 52  
 Met Gly Pro Thr Lys Phe Thr Gln Thr Asn Ile Gly Ile Ile Glu  
 1 5 10 15  
 Asn Lys Leu Leu Glu Ala Pro Asp Val Leu Cys Leu Arg Leu Ser  
 20 25 30  
 Thr Glu Gln Cys Gln Ala His Glu Glu Lys Gly Ile Glu Glu Leu  
 35 40 45  
 Ser Asp Pro Ser Gly Pro Lys Ser Tyr Ser Ile Thr Glu Lys His  
 50 55 60  
 Tyr Ala Gln Glu Asp Pro Arg Met Leu Phe Val Ala Ala Val Asp  
 65 70 75  
 His Ser Ser Ser Gly Asp Met Ser Leu Leu Pro Ser Ser Asp Pro  
 80 85 90  
 Lys Phe Gln Gly Leu Gly Val Val Glu Ser Ala Val Thr Ala Asn  
 95 100 105  
 Asn Thr Glu Glu Ser Leu Phe Arg Ile Cys Ser Pro Leu Ser Gly  
 110 115 120  
 Ala Asn Glu Tyr Ile Ala Ser Thr Asp Thr Leu Lys Thr Glu Glu  
 125 130 135  
 Val Leu Leu Phe Thr Asp Gln Thr Asp Asp Leu Ala Lys Glu Glu  
 140 145 150  
 Pro Thr Ser Leu Phe Gln Arg Asp Ser Glu Thr Lys Gly Glu Ser  
 155 160 165  
 Gly Leu Val Leu Glu Gly Asp Lys Glu Ile His Gln Ile Phe Glu  
 170 175 180  
 Asp Leu Asp Lys Lys Leu Ala Leu Ala Ser Arg Phe Tyr Ile Pro  
 185 190 195  
 Glu Gly Cys Ile Gln Arg Trp Ala Ala Glu Met Val Val Ala Leu  
 200 205 210  
 Asp Ala Leu His Arg Glu Gly Ile Val Cys Arg Asp Leu Asn Pro  
 215 220 225  
 Asn Asn Ile Leu Leu Asn Asp Arg Gly His Ile Gln Leu Thr Tyr  
 230 235 240  
 Phe Ser Arg Trp Ser Glu Val Glu Asp Ser Cys Asp Ser Asp Ala  
 245 250 255  
 Ile Glu Arg Met Tyr Cys Ala Pro Glu Val Gly Ala Ile Thr Glu  
 260 265 270  
 Glu Thr Glu Ala Cys Asp Trp Trp Ser Leu Gly Ala Val Leu Phe  
 275 280 285  
 Glu Leu Leu Thr Gly Lys Thr Leu Val Glu Cys His Pro Ala Gly  
 290 295 300  
 Ile Asn Thr His Thr Thr Leu Asn Met Pro Glu Cys Val Ser Glu  
 305 310 315  
 Glu Ala Arg Ser Leu Ile Gln Gln Leu Leu Gln Phe Asn Pro Leu  
 320 325 330  
 Glu Arg Leu Gly Ala Gly Val Ala Gly Val Glu Asp Ile Lys Ser  
 335 340 345  
 His Pro Phe Phe Thr Pro Val Asp Trp Ala Glu Leu Met Arg  
 350 355

<210> 53  
 <211> 545

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte clone 1645941CD1

&lt;400&gt; 53

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Met | Ser | Arg | Lys | Gln | Asn | Gln | Lys | Asp | Ser | Ser | Gly | Phe | Ile | Phe |
| 1   |     |     |     | 5   |     |     |     |     | 10  |     |     |     |     | 15  |
| Asp | Leu | Gln | Ser | Asn | Thr | Val | Leu | Ala | Gln | Gly | Gly | Ala | Phe | Glu |
|     |     |     |     | 20  |     |     |     |     | 25  |     |     |     |     | 30  |
| Asn | Met | Lys | Glu | Lys | Ile | Asn | Ala | Val | Arg | Ala | Ile | Val | Pro | Asn |
|     |     |     |     | 35  |     |     |     |     | 40  |     |     |     |     | 45  |
| Lys | Ser | Asn | Asn | Glu | Ile | Ile | Leu | Val | Leu | Gln | His | Phe | Asp | Asn |
|     |     |     |     | 50  |     |     |     |     | 55  |     |     |     |     | 60  |
| Cys | Val | Asp | Lys | Thr | Val | Gln | Ala | Phe | Met | Glu | Gly | Ser | Ala | Ser |
|     |     |     |     | 65  |     |     |     |     | 70  |     |     |     |     | 75  |
| Glu | Val | Leu | Lys | Glu | Trp | Thr | Val | Thr | Gly | Lys | Lys | Lys | Asn | Lys |
|     |     |     |     | 80  |     |     |     |     | 85  |     |     |     |     | 90  |
| Lys | Lys | Lys | Asn | Lys | Pro | Lys | Pro | Ala | Ala | Glu | Pro | Ser | Asn | Gly |
|     |     |     |     | 95  |     |     |     |     | 100 |     |     |     |     | 105 |
| Ile | Pro | Asp | Ser | Ser | Lys | Ser | Val | Ser | Ile | Gln | Glu | Glu | Gln | Ser |
|     |     |     |     | 110 |     |     |     |     | 115 |     |     |     |     | 120 |
| Ala | Pro | Ser | Ser | Glu | Lys | Gly | Gly | Met | Asn | Gly | Tyr | His | Val | Asn |
|     |     |     |     | 125 |     |     |     |     | 130 |     |     |     |     | 135 |
| Gly | Ala | Ile | Asn | Asp | Thr | Glu | Ser | Val | Asp | Ser | Leu | Ser | Glu | Gly |
|     |     |     |     | 140 |     |     |     |     | 145 |     |     |     |     | 150 |
| Leu | Glu | Thr | Leu | Ser | Ile | Asp | Ala | Arg | Glu | Leu | Glu | Asp | Pro | Glu |
|     |     |     |     | 155 |     |     |     |     | 160 |     |     |     |     | 165 |
| Ser | Ala | Met | Leu | Asp | Thr | Leu | Asp | Arg | Thr | Gly | Ser | Met | Leu | Gln |
|     |     |     |     | 170 |     |     |     |     | 175 |     |     |     |     | 180 |
| Asn | Gly | Val | Ser | Asp | Phe | Glu | Thr | Lys | Ser | Leu | Thr | Met | His | Ser |
|     |     |     |     | 185 |     |     |     |     | 190 |     |     |     |     | 195 |
| Ile | His | Asn | Ser | Gln | Gln | Pro | Arg | Asn | Ala | Ala | Lys | Ser | Leu | Ser |
|     |     |     |     | 200 |     |     |     |     | 205 |     |     |     |     | 210 |
| Arg | Pro | Thr | Thr | Glu | Thr | Gln | Phe | Ser | Asn | Met | Gly | Met | Glu | Asp |
|     |     |     |     | 215 |     |     |     |     | 220 |     |     |     |     | 225 |
| Val | Pro | Leu | Ala | Thr | Ser | Lys | Lys | Leu | Ser | Ser | Asn | Ile | Glu | Lys |
|     |     |     |     | 230 |     |     |     |     | 235 |     |     |     |     | 240 |
| Ser | Val | Lys | Asp | Leu | Gln | Arg | Cys | Thr | Val | Ser | Leu | Ala | Arg | Tyr |
|     |     |     |     | 245 |     |     |     |     | 250 |     |     |     |     | 255 |
| Arg | Val | Val | Val | Lys | Glu | Glu | Met | Asp | Ala | Ser | Ile | Lys | Lys | Met |
|     |     |     |     | 260 |     |     |     |     | 265 |     |     |     |     | 270 |
| Lys | Gln | Ala | Phe | Ala | Glu | Leu | Glu | Ser | Cys | Leu | Met | Asp | Arg | Glu |
|     |     |     |     | 275 |     |     |     |     | 280 |     |     |     |     | 285 |
| Val | Ala | Leu | Leu | Ala | Glu | Met | Asp | Lys | Val | Lys | Ala | Glu | Ala | Met |
|     |     |     |     | 290 |     |     |     |     | 295 |     |     |     |     | 300 |
| Glu | Ile | Leu | Leu | Ser | Arg | Gln | Lys | Lys | Ala | Glu | Leu | Leu | Lys | Lys |
|     |     |     |     | 305 |     |     |     |     | 310 |     |     |     |     | 315 |
| Met | Thr | His | Val | Ala | Val | Gln | Met | Ser | Glu | Gln | Gln | Leu | Val | Glu |
|     |     |     |     | 320 |     |     |     |     | 325 |     |     |     |     | 330 |
| Leu | Arg | Ala | Asp | Ile | Lys | His | Phe | Val | Ser | Glu | Arg | Lys | Tyr | Asp |
|     |     |     |     | 335 |     |     |     |     | 340 |     |     |     |     | 345 |
| Glu | Asp | Leu | Gly | Arg | Val | Ala | Arg | Phe | Thr | Cys | Asp | Val | Glu | Thr |
|     |     |     |     | 350 |     |     |     |     | 355 |     |     |     |     | 360 |
| Leu | Lys | Lys | Ser | Ile | Asp | Ser | Phe | Gly | Gln | Val | Ser | His | Pro | Lys |
|     |     |     |     | 365 |     |     |     |     | 370 |     |     |     |     | 375 |
| Asn | Ser | Tyr | Ser | Thr | Arg | Ser | Arg | Cys | Ser | Ser | Val | Thr | Ser | Val |
|     |     |     |     | 380 |     |     |     |     | 385 |     |     |     |     | 390 |
| Ser | Leu | Ser | Ser | Pro | Ser | Asp | Ala | Ser | Ala | Ala | Ser | Ser | Ser | Thr |
|     |     |     |     | 395 |     |     |     |     | 400 |     |     |     |     | 405 |
| Cys | Ala | Ser | Pro | Pro | Ser | Leu | Thr | Ser | Ala | Asn | Lys | Lys | Asn | Phe |
|     |     |     |     | 410 |     |     |     |     | 415 |     |     |     |     | 420 |

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Ala | Pro | Gly | Glu | Thr | Pro | Ala | Ala | Ile | Ala | Asn | Ser | Ser | Gly | Gln |
|     |     |     |     | 425 |     |     |     |     |     | 430 |     |     |     | 435 |
| Pro | Tyr | Gln | Pro | Leu | Arg | Glu | Val | Leu | Pro | Gly | Asn | Arg | Arg | Gly |
|     |     |     |     | 440 |     |     |     |     |     | 445 |     |     |     | 450 |
| Gly | Gln | Gly | Tyr | Arg | Pro | Gln | Gly | Gln | Lys | Ser | Asn | Asp | Pro | Met |
|     |     |     |     | 455 |     |     |     |     |     | 460 |     |     |     | 465 |
| Asn | Gln | Gly | Arg | His | Asp | Ser | Met | Gly | Arg | Tyr | Arg | Asn | Ser | Ser |
|     |     |     |     | 470 |     |     |     |     |     | 475 |     |     |     | 480 |
| Trp | Tyr | Ser | Ser | Gly | Ser | Arg | Tyr | Gln | Ser | Ala | Pro | Ser | Gln | Ala |
|     |     |     |     | 485 |     |     |     |     |     | 490 |     |     |     | 495 |
| Pro | Gly | Asn | Thr | Ile | Glu | Arg | Gly | Gln | Thr | His | Ser | Ala | Gly | Thr |
|     |     |     |     | 500 |     |     |     |     |     | 505 |     |     |     | 510 |
| Asn | Gly | Thr | Gly | Val | Ser | Met | Glu | Pro | Ser | Pro | Pro | Thr | Pro | Ser |
|     |     |     |     | 515 |     |     |     |     |     | 520 |     |     |     | 525 |
| Phe | Lys | Lys | Gly | Leu | Pro | Gln | Arg | Lys | Pro | Arg | Thr | Ser | Gln | Thr |
|     |     |     |     | 530 |     |     |     |     |     | 535 |     |     |     | 540 |
| Glu | Ala | Val | Asn | Ser |     |     |     |     |     |     |     |     |     |     |
|     |     |     |     | 545 |     |     |     |     |     |     |     |     |     |     |

<210> 54  
 <211> 99  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte clone 1646005CD1

|       |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| <400> | 54  |     |     |     |     |     |     |     |     |     |     |     |     |     |
| Met   | Asn | Trp | Val | Ala | Val | Leu | Cys | Pro | Leu | Gly | Ile | Val | Trp | Met |
| 1     |     |     |     | 5   |     |     |     |     | 10  |     |     |     |     | 15  |
| Val   | Gly | Asp | Gln | Pro | Pro | Gln | Val | Leu | Ser | Gln | Ala | Ser | Ser | Leu |
|       |     |     |     | 20  |     |     |     |     | 25  |     |     |     |     | 30  |
| Ala   | Val | Tyr | Leu | Arg | Ala | Ala | Pro | Tyr | Pro | Asp | Val | Thr | Ala | Lys |
|       |     |     |     | 35  |     |     |     |     | 40  |     |     |     |     | 45  |
| Lys   | Leu | Arg | His | Asp | Thr | Asn | Cys | Gly | Phe | Pro | Arg | Gln | Gln | Arg |
|       |     |     |     | 50  |     |     |     |     | 55  |     |     |     |     | 60  |
| Met   | Ala | Arg | Gly | His | Glu | Gly | Arg | Ala | Pro | Leu | Leu | Asp | Arg | Pro |
|       |     |     |     | 65  |     |     |     |     | 70  |     |     |     |     | 75  |
| Thr   | Leu | Lys | Ser | Arg | Tyr | Leu | Arg | Ala | Asn | His | Lys | Ile | Asn | Thr |
|       |     |     |     | 80  |     |     |     |     | 85  |     |     |     |     | 90  |
| Phe   | Glu | Glu | Ile | Thr | Ala | Met | Pro | Ser |     |     |     |     |     |     |
|       |     |     |     | 95  |     |     |     |     |     |     |     |     |     |     |

<210> 55  
 <211> 565  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte clone 1686561CD1

|       |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| <400> | 55  |     |     |     |     |     |     |     |     |     |     |     |     |     |
| Met   | Asn | Arg | Ser | Ile | Pro | Val | Glu | Val | Asp | Glu | Ser | Glu | Pro | Tyr |
| 1     |     |     |     | 5   |     |     |     |     | 10  |     |     |     |     | 15  |
| Pro   | Ser | Gln | Leu | Leu | Lys | Pro | Ile | Pro | Glu | Tyr | Ser | Pro | Glu | Glu |
|       |     |     |     | 20  |     |     |     |     | 25  |     |     |     |     | 30  |
| Glu   | Ser | Glu | Pro | Pro | Ala | Pro | Asn | Ile | Arg | Asn | Met | Ala | Pro | Asn |
|       |     |     |     | 35  |     |     |     |     | 40  |     |     |     |     | 45  |
| Ser   | Leu | Ser | Ala | Pro | Thr | Met | Leu | His | Asn | Ser | Ser | Gly | Asp | Phe |
|       |     |     |     | 50  |     |     |     |     | 55  |     |     |     |     | 60  |

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Ser | Gln | Ala | His | Ser | Thr | Leu | Lys | Leu | Ala | Asn | His | Gln | Arg | Pro |
|     |     |     |     | 65  |     |     |     |     | 70  |     |     |     |     | 75  |
| Val | Ser | Arg | Gln | Val | Thr | Cys | Leu | Arg | Thr | Gln | Val | Leu | Glu | Asp |
|     |     |     |     | 80  |     |     |     |     | 85  |     |     |     |     | 90  |
| Ser | Glu | Asp | Ser | Phe | Cys | Arg | Arg | His | Pro | Gly | Leu | Gly | Lys | Ala |
|     |     |     |     | 95  |     |     |     |     | 100 |     |     |     |     | 105 |
| Phe | Pro | Ser | Gly | Cys | Ser | Ala | Val | Ser | Glu | Pro | Ala | Ser | Glu | Ser |
|     |     |     |     | 110 |     |     |     |     | 115 |     |     |     |     | 120 |
| Val | Val | Gly | Ala | Leu | Pro | Ala | Glu | His | Gln | Phe | Ser | Phe | Met | Glu |
|     |     |     |     | 125 |     |     |     |     | 130 |     |     |     |     | 135 |
| Lys | Arg | Asn | Gln | Trp | Leu | Val | Ser | Gln | Leu | Ser | Ala | Ala | Ser | Pro |
|     |     |     |     | 140 |     |     |     |     | 145 |     |     |     |     | 150 |
| Asp | Thr | Gly | His | Asp | Ser | Asp | Lys | Ser | Asp | Gln | Ser | Leu | Pro | Asn |
|     |     |     |     | 155 |     |     |     |     | 160 |     |     |     |     | 165 |
| Ala | Ser | Ala | Asp | Ser | Leu | Gly | Gly | Ser | Gln | Glu | Met | Val | Gln | Arg |
|     |     |     |     | 170 |     |     |     |     | 175 |     |     |     |     | 180 |
| Pro | Gln | Pro | His | Arg | Asn | Arg | Ala | Gly | Leu | Asp | Leu | Pro | Thr | Ile |
|     |     |     |     | 185 |     |     |     |     | 190 |     |     |     |     | 195 |
| Asp | Thr | Gly | Tyr | Asp | Ser | Gln | Pro | Gln | Asp | Val | Leu | Gly | Ile | Arg |
|     |     |     |     | 200 |     |     |     |     | 205 |     |     |     |     | 210 |
| Gln | Leu | Glu | Arg | Pro | Leu | Pro | Leu | Thr | Ser | Val | Cys | Tyr | Pro | Gln |
|     |     |     |     | 215 |     |     |     |     | 220 |     |     |     |     | 225 |
| Asp | Leu | Pro | Arg | Pro | Leu | Arg | Ser | Arg | Glu | Phe | Pro | Gln | Phe | Glu |
|     |     |     |     | 230 |     |     |     |     | 235 |     |     |     |     | 240 |
| Pro | Gln | Arg | Tyr | Pro | Ala | Cys | Ala | Gln | Met | Leu | Pro | Pro | Asn | Leu |
|     |     |     |     | 245 |     |     |     |     | 250 |     |     |     |     | 255 |
| Ser | Pro | His | Ala | Pro | Trp | Asn | Tyr | His | Tyr | His | Cys | Pro | Gly | Ser |
|     |     |     |     | 260 |     |     |     |     | 265 |     |     |     |     | 270 |
| Pro | Asp | His | Gln | Val | Pro | Tyr | Gly | His | Asp | Tyr | Pro | Arg | Ala | Ala |
|     |     |     |     | 275 |     |     |     |     | 280 |     |     |     |     | 285 |
| Tyr | Gln | Gln | Val | Ile | Gln | Pro | Ala | Leu | Pro | Gly | Gln | Pro | Leu | Pro |
|     |     |     |     | 290 |     |     |     |     | 295 |     |     |     |     | 300 |
| Gly | Ala | Ser | Val | Arg | Gly | Leu | His | Pro | Val | Gln | Lys | Val | Ile | Leu |
|     |     |     |     | 305 |     |     |     |     | 310 |     |     |     |     | 315 |
| Asn | Tyr | Pro | Ser | Pro | Trp | Asp | Gln | Glu | Glu | Arg | Pro | Ala | Gln | Arg |
|     |     |     |     | 320 |     |     |     |     | 325 |     |     |     |     | 330 |
| Asp | Cys | Ser | Phe | Pro | Gly | Leu | Pro | Arg | His | Gln | Asp | Gln | Pro | His |
|     |     |     |     | 335 |     |     |     |     | 340 |     |     |     |     | 345 |
| His | Gln | Pro | Pro | Asn | Arg | Ala | Gly | Ala | Pro | Gly | Glu | Ser | Leu | Glu |
|     |     |     |     | 350 |     |     |     |     | 355 |     |     |     |     | 360 |
| Cys | Pro | Ala | Glu | Leu | Arg | Pro | Gln | Val | Pro | Gln | Pro | Pro | Ser | Pro |
|     |     |     |     | 365 |     |     |     |     | 370 |     |     |     |     | 375 |
| Ala | Ala | Val | Pro | Arg | Pro | Pro | Ser | Asn | Pro | Pro | Ala | Arg | Gly | Thr |
|     |     |     |     | 380 |     |     |     |     | 385 |     |     |     |     | 390 |
| Leu | Lys | Thr | Ser | Asn | Leu | Pro | Glu | Glu | Leu | Arg | Lys | Val | Phe | Ile |
|     |     |     |     | 395 |     |     |     |     | 400 |     |     |     |     | 405 |
| Thr | Tyr | Ser | Met | Asp | Thr | Ala | Met | Glu | Val | Val | Lys | Phe | Val | Asn |
|     |     |     |     | 410 |     |     |     |     | 415 |     |     |     |     | 420 |
| Phe | Leu | Leu | Val | Asn | Gly | Phe | Gln | Thr | Ala | Ile | Asp | Ile | Phe | Glu |
|     |     |     |     | 425 |     |     |     |     | 430 |     |     |     |     | 435 |
| Asp | Arg | Ile | Arg | Gly | Ile | Asp | Ile | Ile | Lys | Trp | Met | Glu | Arg | Tyr |
|     |     |     |     | 440 |     |     |     |     | 445 |     |     |     |     | 450 |
| Leu | Arg | Asp | Lys | Thr | Val | Met | Ile | Ile | Val | Ala | Ile | Ser | Pro | Lys |
|     |     |     |     | 455 |     |     |     |     | 460 |     |     |     |     | 465 |
| Tyr | Lys | Gln | Asp | Val | Glu | Gly | Ala | Glu | Ser | Gln | Leu | Asp | Glu | Asp |
|     |     |     |     | 470 |     |     |     |     | 475 |     |     |     |     | 480 |
| Glu | His | Gly | Leu | His | Thr | Lys | Tyr | Ile | His | Arg | Met | Met | Gln | Ile |
|     |     |     |     | 485 |     |     |     |     | 490 |     |     |     |     | 495 |
| Glu | Phe | Ile | Lys | Gln | Gly | Ser | Met | Asn | Phe | Arg | Phe | Ile | Pro | Val |
|     |     |     |     | 500 |     |     |     |     | 505 |     |     |     |     | 510 |
| Leu | Phe | Pro | Asn | Ala | Lys | Lys | Glu | His | Val | Pro | Thr | Trp | Leu | Gln |
|     |     |     |     | 515 |     |     |     |     | 520 |     |     |     |     | 525 |
| Asn | Thr | His | Val | Tyr | Ser | Trp | Pro | Lys | Asn | Lys | Lys | Asn | Ile | Leu |
|     |     |     |     | 530 |     |     |     |     | 535 |     |     |     |     | 540 |

Leu Arg Leu Leu Arg Glu Glu Glu Tyr Val Ala Pro Pro Arg Gly  
 545 550 555  
 Pro Leu Pro Thr Leu Gln Val Val Pro Leu  
 560 565

<210> 56  
 <211> 197  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte clone 1821233CD1

<400> 56  
 Met Thr Pro Thr Ser Ser Phe Val Ser Pro Pro Pro Pro Thr Ala  
 1 5 10 15  
 Ser Pro His Ser Asn Arg Thr Thr Pro Pro Glu Ala Ala Gln Asn  
 20 25 30  
 Gly Gln Ser Pro Met Ala Ala Leu Ile Leu Val Ala Asp Asn Ala  
 35 40 45  
 Gly Gly Ser His Ala Ser Lys Asp Ala Asn Gln Val His Ser Thr  
 50 55 60  
 Thr Arg Arg Asn Ser Asn Ser Pro Pro Ser Pro Ser Ser Met Asn  
 65 70 75  
 Gln Arg Arg Leu Gly Pro Arg Glu Val Gly Gly Gln Gly Ala Gly  
 80 85 90  
 Asn Thr Gly Gly Leu Glu Pro Val His Pro Ala Ser Leu Pro Asp  
 95 100 105  
 Ser Ser Leu Ala Thr Ser Ala Pro Leu Cys Cys Thr Leu Cys His  
 110 115 120  
 Glu Arg Leu Glu Asp Thr His Phe Val Gln Cys Pro Ser Val Pro  
 125 130 135  
 Ser His Lys Phe Cys Phe Pro Cys Ser Arg Gln Ser Ile Lys Gln  
 140 145 150  
 Gln Gly Ala Ser Gly Glu Val Tyr Cys Pro Ser Gly Glu Lys Cys  
 155 160 165  
 Pro Leu Val Gly Ser Asn Val Pro Trp Ala Phe Met Gln Gly Glu  
 170 175 180  
 Ile Ala Thr Ile Leu Ala Gly Asp Val Lys Val Lys Lys Glu Arg  
 185 190 195  
 Asp Ser

<210> 57  
 <211> 321  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte clone 1877278CD1

<400> 57  
 Met Lys Glu Asp Cys Leu Pro Ser Ser His Val Pro Ile Ser Asp  
 1 5 10 15  
 Ser Lys Ser Ile Gln Lys Ser Glu Leu Leu Gly Leu Leu Lys Thr  
 20 25 30  
 Tyr Asn Cys Tyr His Glu Gly Lys Ser Phe Gln Leu Arg His Arg  
 35 40 45

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Glu | Glu | Glu | Gly | Thr | Leu | Ile | Ile | Glu | Gly | Leu | Leu | Asn | Ile | Ala |
|     |     |     |     | 50  |     |     |     |     | 55  |     |     |     |     | 60  |
| Trp | Gly | Leu | Arg | Arg | Pro | Ile | Arg | Leu | Gln | Met | Gln | Asp | Asp | Arg |
|     |     |     |     | 65  |     |     |     |     | 70  |     |     |     |     | 75  |
| Glu | Gln | Val | His | Leu | Pro | Ser | Thr | Ser | Trp | Met | Pro | Arg | Arg | Pro |
|     |     |     |     | 80  |     |     |     |     | 85  |     |     |     |     | 90  |
| Ser | Cys | Pro | Leu | Lys | Glu | Pro | Ser | Pro | Gln | Asn | Gly | Asn | Ile | Thr |
|     |     |     |     | 95  |     |     |     |     | 100 |     |     |     |     | 105 |
| Ala | Gln | Gly | Pro | Ser | Ile | Gln | Pro | Val | His | Lys | Ala | Glu | Ser | Ser |
|     |     |     |     | 110 |     |     |     |     | 115 |     |     |     |     | 120 |
| Thr | Asp | Ser | Ser | Gly | Pro | Leu | Glu | Glu | Ala | Glu | Glu | Ala | Pro | Gln |
|     |     |     |     | 125 |     |     |     |     | 130 |     |     |     |     | 135 |
| Leu | Met | Arg | Thr | Lys | Ser | Asp | Ala | Ser | Cys | Met | Ser | Gln | Arg | Arg |
|     |     |     |     | 140 |     |     |     |     | 145 |     |     |     |     | 150 |
| Pro | Lys | Cys | Arg | Ala | Pro | Gly | Glu | Ala | Gln | Arg | Ile | Arg | Arg | His |
|     |     |     |     | 155 |     |     |     |     | 160 |     |     |     |     | 165 |
| Arg | Phe | Ser | Ile | Asn | Gly | His | Phe | Tyr | Asn | His | Lys | Thr | Ser | Val |
|     |     |     |     | 170 |     |     |     |     | 175 |     |     |     |     | 180 |
| Phe | Thr | Pro | Ala | Tyr | Gly | Ser | Val | Thr | Asn | Val | Arg | Val | Asn | Ser |
|     |     |     |     | 185 |     |     |     |     | 190 |     |     |     |     | 195 |
| Thr | Met | Thr | Thr | Leu | Gln | Val | Leu | Thr | Leu | Leu | Leu | Asn | Lys | Phe |
|     |     |     |     | 200 |     |     |     |     | 205 |     |     |     |     | 210 |
| Arg | Val | Glu | Asp | Gly | Pro | Ser | Glu | Phe | Ala | Leu | Tyr | Ile | Val | His |
|     |     |     |     | 215 |     |     |     |     | 220 |     |     |     |     | 225 |
| Glu | Ser | Gly | Glu | Arg | Thr | Lys | Leu | Lys | Asp | Cys | Glu | Tyr | Pro | Leu |
|     |     |     |     | 230 |     |     |     |     | 235 |     |     |     |     | 240 |
| Ile | Ser | Arg | Ile | Leu | His | Gly | Pro | Cys | Glu | Lys | Ile | Ala | Arg | Ile |
|     |     |     |     | 245 |     |     |     |     | 250 |     |     |     |     | 255 |
| Phe | Leu | Met | Glu | Ala | Asp | Leu | Gly | Val | Glu | Val | Pro | His | Glu | Val |
|     |     |     |     | 260 |     |     |     |     | 265 |     |     |     |     | 270 |
| Ala | Gln | Tyr | Ile | Lys | Phe | Glu | Met | Pro | Val | Leu | Asp | Ser | Phe | Val |
|     |     |     |     | 275 |     |     |     |     | 280 |     |     |     |     | 285 |
| Glu | Lys | Leu | Lys | Glu | Glu | Glu | Glu | Arg | Glu | Ile | Ile | Lys | Leu | Thr |
|     |     |     |     | 290 |     |     |     |     | 295 |     |     |     |     | 300 |
| Met | Lys | Phe | Gln | Ala | Leu | Arg | Leu | Thr | Met | Leu | Gln | Arg | Leu | Glu |
|     |     |     |     | 305 |     |     |     |     | 310 |     |     |     |     | 315 |
| Gln | Leu | Val | Glu | Ala | Lys |     |     |     |     |     |     |     |     |     |
|     |     |     |     | 320 |     |     |     |     |     |     |     |     |     |     |

&lt;210&gt; 58

&lt;211&gt; 356

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte clone 1880692CD1

&lt;400&gt; 58

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Met | Glu | Trp | Leu | Lys | Ser | Thr | Asp | Tyr | Gly | Lys | Tyr | Glu | Gly | Leu |
| 1   |     |     |     | 5   |     |     |     |     | 10  |     |     |     |     | 15  |
| Thr | Lys | Asn | Tyr | Met | Asp | Tyr | Leu | Ser | Arg | Leu | Tyr | Glu | Arg | Glu |
|     |     |     |     | 20  |     |     |     |     | 25  |     |     |     |     | 30  |
| Ile | Lys | Asp | Phe | Phe | Glu | Val | Ala | Lys | Ile | Lys | Met | Thr | Gly | Thr |
|     |     |     |     | 35  |     |     |     |     | 40  |     |     |     |     | 45  |
| Thr | Lys | Glu | Ser | Lys | Lys | Phe | Gly | Leu | His | Gly | Ser | Ser | Gly | Lys |
|     |     |     |     | 50  |     |     |     |     | 55  |     |     |     |     | 60  |
| Leu | Thr | Gly | Ser | Thr | Ser | Ser | Leu | Asn | Lys | Leu | Ser | Val | Gln | Ser |
|     |     |     |     | 65  |     |     |     |     | 70  |     |     |     |     | 75  |
| Ser | Gly | Asn | Arg | Arg | Ser | Gln | Ser | Ser | Ser | Leu | Leu | Asp | Met | Gly |
|     |     |     |     | 80  |     |     |     |     | 85  |     |     |     |     | 90  |
| Asn | Met | Ser | Ala | Ser | Asp | Leu | Asp | Val | Ala | Asp | Arg | Thr | Lys | Phe |
|     |     |     |     | 95  |     |     |     |     | 100 |     |     |     |     | 105 |

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
| Asp | Lys | Ile | Phe | Glu | Gln | Val | Leu | Ser | Glu | Leu | Glu | Pro | Leu | Cys |  |
|     |     |     |     | 110 |     |     |     |     | 115 |     |     |     |     | 120 |  |
| Leu | Ala | Glu | Gln | Asp | Phe | Ile | Ser | Lys | Phe | Phe | Lys | Leu | Gln | Gln |  |
|     |     |     |     | 125 |     |     |     |     | 130 |     |     |     |     | 135 |  |
| His | Gln | Ser | Met | Pro | Gly | Thr | Met | Ala | Glu | Ala | Glu | Asp | Leu | Asp |  |
|     |     |     |     | 140 |     |     |     |     | 145 |     |     |     |     | 150 |  |
| Gly | Gly | Thr | Leu | Ser | Arg | Gln | His | Asn | Cys | Gly | Thr | Pro | Leu | Pro |  |
|     |     |     |     | 155 |     |     |     |     | 160 |     |     |     |     | 165 |  |
| Val | Ser | Ser | Glu | Lys | Asp | Met | Ile | Arg | Gln | Met | Met | Ile | Lys | Ile |  |
|     |     |     |     | 170 |     |     |     |     | 175 |     |     |     |     | 180 |  |
| Phe | Arg | Cys | Ile | Glu | Pro | Glu | Leu | Asn | Asn | Leu | Ile | Ala | Leu | Gly |  |
|     |     |     |     | 185 |     |     |     |     | 190 |     |     |     |     | 195 |  |
| Asp | Lys | Ile | Asp | Ser | Phe | Asn | Ser | Leu | Tyr | Met | Leu | Val | Lys | Met |  |
|     |     |     |     | 200 |     |     |     |     | 205 |     |     |     |     | 210 |  |
| Ser | His | His | Val | Trp | Thr | Ala | Gln | Asn | Val | Asp | Pro | Ala | Ser | Phe |  |
|     |     |     |     | 215 |     |     |     |     | 220 |     |     |     |     | 225 |  |
| Leu | Ser | Thr | Thr | Leu | Gly | Asn | Val | Leu | Val | Thr | Val | Lys | Arg | Asn |  |
|     |     |     |     | 230 |     |     |     |     | 235 |     |     |     |     | 240 |  |
| Phe | Asp | Lys | Cys | Ile | Ser | Asn | Gln | Ile | Arg | Gln | Met | Glu | Glu | Val |  |
|     |     |     |     | 245 |     |     |     |     | 250 |     |     |     |     | 255 |  |
| Lys | Ile | Ser | Lys | Lys | Ser | Lys | Val | Gly | Ile | Leu | Pro | Phe | Val | Ala |  |
|     |     |     |     | 260 |     |     |     |     | 265 |     |     |     |     | 270 |  |
| Glu | Phe | Glu | Glu | Phe | Ala | Gly | Leu | Ala | Glu | Ser | Ile | Phe | Lys | Asn |  |
|     |     |     |     | 275 |     |     |     |     | 280 |     |     |     |     | 285 |  |
| Ala | Glu | Arg | Arg | Gly | Asp | Leu | Asp | Lys | Ala | Tyr | Thr | Lys | Leu | Ile |  |
|     |     |     |     | 290 |     |     |     |     | 295 |     |     |     |     | 300 |  |
| Arg | Gly | Val | Phe | Val | Asn | Val | Glu | Lys | Val | Ala | Asn | Glu | Ser | Gln |  |
|     |     |     |     | 305 |     |     |     |     | 310 |     |     |     |     | 315 |  |
| Lys | Thr | Pro | Arg | Asp | Val | Val | Met | Met | Glu | Asn | Phe | His | His | Ile |  |
|     |     |     |     | 320 |     |     |     |     | 325 |     |     |     |     | 330 |  |
| Phe | Ala | Thr | Leu | Ser | Arg | Leu | Lys | Ile | Ser | Cys | Leu | Glu | Ala | Glu |  |
|     |     |     |     | 335 |     |     |     |     | 340 |     |     |     |     | 345 |  |
| Lys | Lys | Glu | Ala | Ala | Ile | Asn | His | Lys | Phe | Phe |     |     |     |     |  |
|     |     |     |     | 350 |     |     |     |     | 355 |     |     |     |     |     |  |

<210> 59  
 <211> 299  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte clone 2280456CD1

|          |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
| <400> 59 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
| Met      | Glu | Glu | Leu | Leu | Pro | Asp | Gly | Gln | Ile | Trp | Ala | Asn | Met | Asp |  |
| 1        |     |     |     | 5   |     |     |     |     | 10  |     |     |     |     | 15  |  |
| Pro      | Glu | Glu | Arg | Met | Leu | Ala | Ala | Ala | Thr | Ala | Phe | Thr | His | Ile |  |
|          |     |     |     | 20  |     |     |     |     | 25  |     |     |     |     | 30  |  |
| Cys      | Ala | Gly | Gln | Gly | Glu | Gly | Asp | Val | Arg | Arg | Glu | Ala | Gln | Ser |  |
|          |     |     |     | 35  |     |     |     |     | 40  |     |     |     |     | 45  |  |
| Ile      | Gln | Tyr | Asp | Pro | Tyr | Ser | Lys | Ala | Ser | Val | Ala | Pro | Gly | Lys |  |
|          |     |     |     | 50  |     |     |     |     | 55  |     |     |     |     | 60  |  |
| Arg      | Pro | Ala | Leu | Pro | Val | Gln | Leu | Gln | Tyr | Pro | His | Val | Glu | Ser |  |
|          |     |     |     | 65  |     |     |     |     | 70  |     |     |     |     | 75  |  |
| Asn      | Val | Pro | Ser | Glu | Thr | Val | Ser | Glu | Ala | Ser | Gln | Arg | Leu | Arg |  |
|          |     |     |     | 80  |     |     |     |     | 85  |     |     |     |     | 90  |  |
| Lys      | Pro | Val | Met | Lys | Arg | Lys | Val | Leu | Arg | Arg | Lys | Pro | Asp | Gly |  |
|          |     |     |     | 95  |     |     |     |     | 100 |     |     |     |     | 105 |  |
| Glu      | Val | Leu | Val | Thr | Asp | Glu | Ser | Ile | Ile | Ser | Glu | Ser | Glu | Ser |  |
|          |     |     |     | 110 |     |     |     |     | 115 |     |     |     |     | 120 |  |
| Gly      | Thr | Glu | Asn | Asp | Gln | Asp | Leu | Trp | Asp | Leu | Arg | Gln | Arg | Leu |  |
|          |     |     |     | 125 |     |     |     |     | 130 |     |     |     |     | 135 |  |



|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
| Met | Asn | Val | Gln | Phe | Gln | Glu | Asp | Lys | Glu | Ser | Ser | Phe | Asp | Val |  |
|     |     |     |     | 140 |     |     |     |     | 145 |     |     |     |     | 150 |  |
| Ser | Gln | Lys | Phe | Asn | Leu | Pro | His | Glu | Tyr | Gln | Gly | Ile | Ser | Gln |  |
|     |     |     |     | 155 |     |     |     |     | 160 |     |     |     |     | 165 |  |
| Asp | Gln | Leu | Ile | Cys | Ser | Leu | Gln | Arg | Glu | Gly | Met | Gly | Ser | Pro |  |
|     |     |     |     | 170 |     |     |     |     | 175 |     |     |     |     | 180 |  |
| Ala | Tyr | Glu | Gln | Asp | Leu | Ile | Val | Ala | Ser | Arg | Pro | Lys | Ser | Phe |  |
|     |     |     |     | 185 |     |     |     |     | 190 |     |     |     |     | 195 |  |
| Ile | Leu | Pro | Lys | Leu | Asp | Gln | Leu | Ser | Arg | Asn | Arg | Gly | Lys | Thr |  |
|     |     |     |     | 200 |     |     |     |     | 205 |     |     |     |     | 210 |  |
| Asp | Arg | Val | Ala | Arg | Tyr | Phe | Glu | Tyr | Lys | Arg | Asp | Trp | Asp | Ser |  |
|     |     |     |     | 215 |     |     |     |     | 220 |     |     |     |     | 225 |  |
| Ile | Arg | Leu | Pro | Gly | Glu | Asp | His | Arg | Lys | Glu | Leu | Arg | Trp | Gly |  |
|     |     |     |     | 230 |     |     |     |     | 235 |     |     |     |     | 240 |  |
| Val | Arg | Glu | Gln | Met | Leu | Cys | Arg | Ala | Glu | Pro | Gln | Ser | Lys | Pro |  |
|     |     |     |     | 245 |     |     |     |     | 250 |     |     |     |     | 255 |  |
| Gln | His | Ile | Tyr | Val | Pro | Asn | Asn | Tyr | Leu | Val | Pro | Thr | Glu | Lys |  |
|     |     |     |     | 260 |     |     |     |     | 265 |     |     |     |     | 270 |  |
| Lys | Arg | Ser | Ala | Leu | Arg | Trp | Gly | Val | Arg | Cys | Asp | Leu | Ala | Asn |  |
|     |     |     |     | 275 |     |     |     |     | 280 |     |     |     |     | 285 |  |
| Gly | Val | Ile | Pro | Arg | Lys | Leu | Pro | Phe | Pro | Leu | Ser | Pro | Ser |     |  |
|     |     |     |     | 290 |     |     |     |     | 295 |     |     |     |     |     |  |

<210> 60  
 <211> 293  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte clone 2284580CD1

<400> 60

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
| Met | Ala | Thr | Phe | Ser | Gly | Pro | Ala | Gly | Pro | Ile | Leu | Ser | Leu | Asn |  |
| 1   |     |     |     | 5   |     |     |     |     | 10  |     |     |     |     | 15  |  |
| Pro | Gln | Glu | Asp | Val | Glu | Phe | Gln | Lys | Glu | Val | Ala | Gln | Val | Arg |  |
|     |     |     |     | 20  |     |     |     |     | 25  |     |     |     |     | 30  |  |
| Lys | Arg | Ile | Thr | Gln | Arg | Lys | Lys | Gln | Glu | Gln | Leu | Thr | Pro | Gly |  |
|     |     |     |     | 35  |     |     |     |     | 40  |     |     |     |     | 45  |  |
| Val | Val | Tyr | Val | Arg | His | Leu | Pro | Asn | Leu | Leu | Asp | Glu | Thr | Gln |  |
|     |     |     |     | 50  |     |     |     |     | 55  |     |     |     |     | 60  |  |
| Ile | Phe | Ser | Tyr | Phe | Ser | Gln | Phe | Gly | Thr | Val | Thr | Arg | Phe | Arg |  |
|     |     |     |     | 65  |     |     |     |     | 70  |     |     |     |     | 75  |  |
| Leu | Ser | Arg | Ser | Lys | Arg | Thr | Gly | Asn | Ser | Lys | Gly | Tyr | Ala | Phe |  |
|     |     |     |     | 80  |     |     |     |     | 85  |     |     |     |     | 90  |  |
| Val | Glu | Phe | Glu | Ser | Glu | Asp | Val | Ala | Lys | Ile | Val | Ala | Glu | Thr |  |
|     |     |     |     | 95  |     |     |     |     | 100 |     |     |     |     | 105 |  |
| Met | Asn | Asn | Tyr | Leu | Phe | Gly | Glu | Arg | Leu | Leu | Glu | Cys | His | Phe |  |
|     |     |     |     | 110 |     |     |     |     | 115 |     |     |     |     | 120 |  |
| Met | Pro | Pro | Glu | Lys | Val | His | Lys | Glu | Leu | Phe | Lys | Asp | Trp | Asn |  |
|     |     |     |     | 125 |     |     |     |     | 130 |     |     |     |     | 135 |  |
| Ile | Pro | Phe | Lys | Gln | Pro | Ser | Tyr | Pro | Ser | Val | Lys | Arg | Tyr | Asn |  |
|     |     |     |     | 140 |     |     |     |     | 145 |     |     |     |     | 150 |  |
| Arg | Asn | Arg | Thr | Leu | Thr | Gln | Lys | Leu | Arg | Met | Glu | Glu | Arg | Phe |  |
|     |     |     |     | 155 |     |     |     |     | 160 |     |     |     |     | 165 |  |
| Lys | Lys | Lys | Glu | Arg | Leu | Leu | Arg | Lys | Lys | Leu | Ala | Lys | Lys | Gly |  |
|     |     |     |     | 170 |     |     |     |     | 175 |     |     |     |     | 180 |  |
| Ile | Asp | Tyr | Asp | Phe | Pro | Ser | Leu | Ile | Leu | Gln | Lys | Thr | Glu | Ser |  |
|     |     |     |     | 185 |     |     |     |     | 190 |     |     |     |     | 195 |  |
| Ile | Ser | Lys | Thr | Asn | Arg | Gln | Thr | Ser | Thr | Lys | Gly | Gln | Val | Leu |  |
|     |     |     |     | 200 |     |     |     |     | 205 |     |     |     |     | 210 |  |

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Arg | Lys | Lys | Lys | Lys | Lys | Val | Ser | Gly | Thr | Leu | Asp | Thr | Pro | Glu |
|     |     |     |     | 215 |     |     |     |     | 220 |     |     |     |     | 225 |
| Lys | Thr | Val | Asp | Ser | Gln | Gly | Pro | Thr | Pro | Val | Cys | Thr | Pro | Thr |
|     |     |     |     | 230 |     |     |     |     | 235 |     |     |     |     | 240 |
| Phe | Leu | Glu | Arg | Arg | Lys | Ser | Gln | Val | Ala | Glu | Leu | Asn | Asp | Asp |
|     |     |     |     | 245 |     |     |     |     | 250 |     |     |     |     | 255 |
| Asp | Lys | Asp | Asp | Glu | Ile | Val | Phe | Lys | Gln | Pro | Ile | Ser | Cys | Val |
|     |     |     |     | 260 |     |     |     |     | 265 |     |     |     |     | 270 |
| Lys | Glu | Glu | Ile | Gln | Glu | Thr | Gln | Thr | Pro | Thr | His | Ser | Arg | Lys |
|     |     |     |     | 275 |     |     |     |     | 280 |     |     |     |     | 285 |
| Lys | Arg | Arg | Arg | Ser | Ser | Asn | Gln |     |     |     |     |     |     |     |
|     |     |     |     | 290 |     |     |     |     |     |     |     |     |     |     |

&lt;210&gt; 61

&lt;211&gt; 777

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;223&gt; Incyte clone 2779172CD1

&lt;400&gt; 61

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Met | Val | Leu | Cys | His | Ser | Phe | Leu | Tyr | Arg | Ile | Leu | Thr | Val | Gln |
| 1   |     |     |     | 5   |     |     |     |     | 10  |     |     |     |     | 15  |
| Gln | His | Gly | Phe | Phe | Phe | Gly | His | Asp | Arg | Arg | Pro | Ala | Asp | Gly |
|     |     |     |     | 20  |     |     |     |     | 25  |     |     |     |     | 30  |
| Glu | Lys | Gln | Ala | Ala | Thr | His | Val | Ser | Leu | Asp | Gln | Glu | Tyr | Asp |
|     |     |     |     | 35  |     |     |     |     | 40  |     |     |     |     | 45  |
| Ser | Glu | Ser | Ser | Gln | Gln | Trp | Arg | Glu | Leu | Glu | Glu | Gln | Val | Val |
|     |     |     |     | 50  |     |     |     |     | 55  |     |     |     |     | 60  |
| Ser | Val | Val | Asn | Lys | Gly | Val | Ile | Pro | Ser | Asn | Phe | His | Pro | Thr |
|     |     |     |     | 65  |     |     |     |     | 70  |     |     |     |     | 75  |
| Gln | Tyr | Cys | Leu | Asn | Ser | Tyr | Ser | Asp | Asn | Ser | Arg | Phe | Pro | Leu |
|     |     |     |     | 80  |     |     |     |     | 85  |     |     |     |     | 90  |
| Ala | Val | Val | Glu | Glu | Pro | Ile | Thr | Val | Glu | Val | Ala | Phe | Arg | Asn |
|     |     |     |     | 95  |     |     |     |     | 100 |     |     |     |     | 105 |
| Pro | Leu | Lys | Val | Leu | Leu | Leu | Leu | Thr | Asp | Leu | Ser | Leu | Leu | Trp |
|     |     |     |     | 110 |     |     |     |     | 115 |     |     |     |     | 120 |
| Lys | Phe | His | Pro | Lys | Asp | Phe | Ser | Gly | Lys | Asp | Asn | Glu | Glu | Val |
|     |     |     |     | 125 |     |     |     |     | 130 |     |     |     |     | 135 |
| Lys | Gln | Leu | Val | Thr | Ser | Glu | Pro | Glu | Met | Ile | Gly | Ala | Glu | Val |
|     |     |     |     | 140 |     |     |     |     | 145 |     |     |     |     | 150 |
| Ile | Ser | Glu | Phe | Leu | Ile | Asn | Gly | Glu | Glu | Ser | Lys | Val | Ala | Arg |
|     |     |     |     | 155 |     |     |     |     | 160 |     |     |     |     | 165 |
| Leu | Lys | Leu | Phe | Pro | His | His | Ile | Gly | Glu | Leu | His | Ile | Leu | Gly |
|     |     |     |     | 170 |     |     |     |     | 175 |     |     |     |     | 180 |
| Val | Val | Tyr | Asn | Leu | Gly | Thr | Ile | Gln | Gly | Ser | Met | Thr | Val | Asp |
|     |     |     |     | 185 |     |     |     |     | 190 |     |     |     |     | 195 |
| Gly | Ile | Gly | Ala | Leu | Pro | Gly | Cys | His | Thr | Gly | Lys | Tyr | Ser | Leu |
|     |     |     |     | 200 |     |     |     |     | 205 |     |     |     |     | 210 |
| Ser | Met | Ser | Val | Arg | Gly | Lys | Gln | Asp | Leu | Glu | Ile | Gln | Gly | Pro |
|     |     |     |     | 215 |     |     |     |     | 220 |     |     |     |     | 225 |
| Arg | Leu | Asn | Asn | Thr | Lys | Glu | Glu | Lys | Thr | Ser | Val | Lys | Tyr | Gly |
|     |     |     |     | 230 |     |     |     |     | 235 |     |     |     |     | 240 |
| Pro | Asp | Arg | Arg | Leu | Asp | Pro | Ile | Ile | Thr | Glu | Glu | Met | Pro | Leu |
|     |     |     |     | 245 |     |     |     |     | 250 |     |     |     |     | 255 |
| Leu | Glu | Val | Phe | Phe | Ile | His | Phe | Pro | Thr | Gly | Leu | Leu | Cys | Gly |
|     |     |     |     | 260 |     |     |     |     | 265 |     |     |     |     | 270 |
| Glu | Ile | Arg | Lys | Ala | Tyr | Val | Glu | Phe | Val | Asn | Val | Ser | Lys | Cys |
|     |     |     |     | 275 |     |     |     |     | 280 |     |     |     |     | 285 |

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Pro | Leu | Thr | Gly | Leu | Lys | Val | Val | Ser | Lys | Arg | Pro | Glu | Phe | Phe |
|     |     |     |     | 290 |     |     |     |     | 295 |     |     |     |     | 300 |
| Thr | Phe | Gly | Gly | Asn | Thr | Ala | Val | Leu | Thr | Pro | Leu | Ser | Pro | Ser |
|     |     |     |     | 305 |     |     |     |     | 310 |     |     |     |     | 315 |
| Ala | Ser | Glu | Asn | Cys | Ser | Ala | Tyr | Lys | Thr | Val | Val | Thr | Asp | Ala |
|     |     |     |     | 320 |     |     |     |     | 325 |     |     |     |     | 330 |
| Thr | Ser | Val | Cys | Thr | Ala | Leu | Ile | Ser | Ser | Ala | Ser | Ser | Val | Asp |
|     |     |     |     | 335 |     |     |     |     | 340 |     |     |     |     | 345 |
| Phe | Gly | Ile | Gly | Thr | Gly | Ser | Gln | Pro | Glu | Val | Ile | Pro | Val | Pro |
|     |     |     |     | 350 |     |     |     |     | 355 |     |     |     |     | 360 |
| Leu | Pro | Asp | Thr | Val | Leu | Leu | Pro | Gly | Ala | Ser | Val | Gln | Leu | Pro |
|     |     |     |     | 365 |     |     |     |     | 370 |     |     |     |     | 375 |
| Met | Trp | Leu | Arg | Gly | Pro | Asp | Glu | Glu | Gly | Val | His | Glu | Ile | Asn |
|     |     |     |     | 380 |     |     |     |     | 385 |     |     |     |     | 390 |
| Phe | Leu | Phe | Tyr | Tyr | Glu | Ser | Val | Lys | Lys | Gln | Pro | Lys | Ile | Arg |
|     |     |     |     | 395 |     |     |     |     | 400 |     |     |     |     | 405 |
| His | Arg | Ile | Leu | Arg | His | Thr | Ala | Ile | Ile | Cys | Thr | Ser | Arg | Ser |
|     |     |     |     | 410 |     |     |     |     | 415 |     |     |     |     | 420 |
| Leu | Asn | Val | Arg | Ala | Thr | Val | Cys | Arg | Ser | Asn | Ser | Leu | Glu | Asn |
|     |     |     |     | 425 |     |     |     |     | 430 |     |     |     |     | 435 |
| Glu | Glu | Gly | Arg | Gly | Gly | Asn | Met | Leu | Val | Phe | Val | Asp | Val | Glu |
|     |     |     |     | 440 |     |     |     |     | 445 |     |     |     |     | 450 |
| Asn | Thr | Asn | Thr | Ser | Glu | Ala | Gly | Val | Lys | Glu | Phe | His | Ile | Val |
|     |     |     |     | 455 |     |     |     |     | 460 |     |     |     |     | 465 |
| Gln | Val | Ser | Ser | Ser | Ser | Lys | His | Trp | Lys | Leu | Gln | Lys | Ser | Val |
|     |     |     |     | 470 |     |     |     |     | 475 |     |     |     |     | 480 |
| Asn | Leu | Ser | Glu | Asn | Lys | Asp | Thr | Lys | Leu | Ala | Ser | Arg | Glu | Lys |
|     |     |     |     | 485 |     |     |     |     | 490 |     |     |     |     | 495 |
| Gly | Lys | Phe | Cys | Phe | Lys | Ala | Ile | Arg | Cys | Glu | Lys | Glu | Glu | Ala |
|     |     |     |     | 500 |     |     |     |     | 505 |     |     |     |     | 510 |
| Ala | Thr | Gln | Ser | Ser | Glu | Lys | Tyr | Thr | Phe | Ala | Asp | Ile | Ile | Phe |
|     |     |     |     | 515 |     |     |     |     | 520 |     |     |     |     | 525 |
| Gly | Asn | Glu | Gln | Ile | Ile | Ser | Ser | Ala | Ser | Pro | Cys | Ala | Asp | Phe |
|     |     |     |     | 530 |     |     |     |     | 535 |     |     |     |     | 540 |
| Phe | Tyr | Arg | Ser | Leu | Ser | Ser | Glu | Leu | Lys | Lys | Pro | Gln | Ala | His |
|     |     |     |     | 545 |     |     |     |     | 550 |     |     |     |     | 555 |
| Leu | Pro | Val | His | Thr | Glu | Lys | Gln | Ser | Thr | Glu | Asp | Ala | Val | Arg |
|     |     |     |     | 560 |     |     |     |     | 565 |     |     |     |     | 570 |
| Leu | Ile | Gln | Lys | Cys | Ser | Glu | Val | Asp | Leu | Asn | Ile | Val | Ile | Leu |
|     |     |     |     | 575 |     |     |     |     | 580 |     |     |     |     | 585 |
| Trp | Lys | Ala | Tyr | Val | Val | Glu | Asp | Ser | Lys | Gln | Leu | Ile | Leu | Glu |
|     |     |     |     | 590 |     |     |     |     | 595 |     |     |     |     | 600 |
| Gly | Gln | His | His | Val | Ile | Leu | Arg | Thr | Ile | Gly | Lys | Glu | Ala | Phe |
|     |     |     |     | 605 |     |     |     |     | 610 |     |     |     |     | 615 |
| Ser | Tyr | Pro | Gln | Lys | Gln | Glu | Pro | Pro | Glu | Met | Glu | Leu | Leu | Lys |
|     |     |     |     | 620 |     |     |     |     | 625 |     |     |     |     | 630 |
| Phe | Phe | Arg | Pro | Glu | Asn | Ile | Thr | Val | Ser | Ser | Arg | Pro | Ser | Val |
|     |     |     |     | 635 |     |     |     |     | 640 |     |     |     |     | 645 |
| Glu | Gln | Leu | Ser | Ser | Leu | Ile | Lys | Thr | Ser | Leu | His | Tyr | Pro | Glu |
|     |     |     |     | 650 |     |     |     |     | 655 |     |     |     |     | 660 |
| Ser | Phe | Asn | His | Pro | Phe | His | Gln | Lys | Ser | Leu | Cys | Leu | Val | Pro |
|     |     |     |     | 665 |     |     |     |     | 670 |     |     |     |     | 675 |
| Val | Thr | Leu | Leu | Leu | Ser | Asn | Cys | Ser | Lys | Ala | Asp | Val | Asp | Val |
|     |     |     |     | 680 |     |     |     |     | 685 |     |     |     |     | 690 |
| Ile | Val | Asp | Leu | Arg | His | Lys | Thr | Thr | Ser | Pro | Glu | Ala | Leu | Glu |
|     |     |     |     | 695 |     |     |     |     | 700 |     |     |     |     | 705 |
| Ile | His | Gly | Ser | Phe | Thr | Trp | Leu | Gly | Gln | Thr | Gln | Tyr | Lys | Leu |
|     |     |     |     | 710 |     |     |     |     | 715 |     |     |     |     | 720 |
| Gln | Leu | Lys | Ser | Gln | Glu | Ile | His | Ser | Leu | Gln | Leu | Lys | Ala | Cys |
|     |     |     |     | 725 |     |     |     |     | 730 |     |     |     |     | 735 |
| Phe | Val | His | Thr | Gly | Val | Tyr | Asn | Leu | Gly | Thr | Pro | Arg | Val | Phe |
|     |     |     |     | 740 |     |     |     |     | 745 |     |     |     |     | 750 |
| Ala | Lys | Leu | Ser | Asp | Gln | Val | Thr | Val | Phe | Glu | Thr | Ser | Gln | Gln |
|     |     |     |     | 755 |     |     |     |     | 760 |     |     |     |     | 765 |

Asn Ser Met Pro Ala Leu Ile Ile Ile Ser Asn Val  
 770 775

<210> 62  
 <211> 97  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte clone 3279329CD1

<400> 62  
 Met Pro Pro Gly Thr Val Leu Arg Tyr Val Gln Cys Leu Phe Leu  
 1 5 10 15  
 Asp Leu Cys Ile Cys His Glu Ala Pro Cys Gly Leu Cys Met Lys  
 20 25 30  
 Leu Leu Leu Cys Phe Trp Val Asn Arg Cys Ala Cys Gln Leu Ala  
 35 40 45  
 Cys Val Leu Ser Lys Phe His Lys Leu Lys Val Phe Lys Gly Cys  
 50 55 60  
 Val Val Ser Glu Leu Tyr Val Ser Phe Leu Ser Leu Tyr Leu Gln  
 65 70 75  
 Arg Val Arg Asn Glu Ile Tyr Thr Ser Lys Val Ser Leu Ile Asn  
 80 85 90  
 Met Ala Phe Cys Phe Ser Met  
 95

<210> 63  
 <211> 308  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte clone 3340290CD1

<400> 63  
 Met Ser Val Ser Gly Leu Lys Ala Glu Leu Lys Phe Leu Ala Ser  
 1 5 10 15  
 Ile Phe Asp Lys Asn His Glu Arg Phe Arg Ile Val Ser Trp Lys  
 20 25 30  
 Leu Asp Glu Leu His Cys Gln Phe Leu Val Pro Gln Gln Gly Ser  
 35 40 45  
 Pro His Ser Leu Pro Pro Pro Leu Thr Leu His Cys Asn Ile Thr  
 50 55 60  
 Glu Ser Tyr Pro Ser Ser Ser Pro Ile Trp Phe Val Asp Ser Glu  
 65 70 75  
 Asp Pro Asn Leu Thr Ser Val Leu Glu Arg Leu Glu Asp Thr Lys  
 80 85 90  
 Asn Asn Asn Leu Asn Gly Thr Thr Glu Glu Val Thr Ser Glu Glu  
 95 100 105  
 Glu Glu Glu Glu Glu Glu Met Ala Glu Asp Ile Glu Asp Leu Asp  
 110 115 120  
 His Tyr Glu Met Lys Glu Glu Glu Pro Ile Ser Gly Lys Lys Ser  
 125 130 135  
 Glu Asp Glu Gly Ile Glu Lys Glu Asn Leu Ala Ile Leu Glu Lys  
 140 145 150  
 Ile Arg Lys Thr Gln Arg Gln Asp His Leu Asn Gly Ala Val Ser  
 155 160 165

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
| Gly | Ser | Val | Gln | Ala | Ser | Asp | Arg | Leu | Met | Lys | Glu | Leu | Arg | Asp |  |
|     |     |     |     | 170 |     |     |     |     | 175 |     |     |     |     | 180 |  |
| Ile | Tyr | Arg | Ser | Gln | Ser | Tyr | Lys | Thr | Gly | Ile | Tyr | Ser | Val | Glu |  |
|     |     |     |     | 185 |     |     |     |     | 190 |     |     |     |     | 195 |  |
| Leu | Ile | Asn | Asp | Ser | Leu | Tyr | Asp | Trp | His | Val | Lys | Leu | Gln | Lys |  |
|     |     |     |     | 200 |     |     |     |     | 205 |     |     |     |     | 210 |  |
| Val | Asp | Pro | Asp | Ser | Pro | Leu | His | Ser | Asp | Leu | Gln | Ile | Leu | Lys |  |
|     |     |     |     | 215 |     |     |     |     | 220 |     |     |     |     | 225 |  |
| Glu | Lys | Glu | Gly | Ile | Glu | Tyr | Ile | Leu | Leu | Asn | Phe | Ser | Phe | Lys |  |
|     |     |     |     | 230 |     |     |     |     | 235 |     |     |     |     | 240 |  |
| Asp | Asn | Phe | Pro | Phe | Asp | Pro | Pro | Phe | Val | Arg | Val | Val | Leu | Pro |  |
|     |     |     |     | 245 |     |     |     |     | 250 |     |     |     |     | 255 |  |
| Val | Leu | Ser | Gly | Gly | Tyr | Val | Leu | Gly | Gly | Gly | Ala | Leu | Cys | Met |  |
|     |     |     |     | 260 |     |     |     |     | 265 |     |     |     |     | 270 |  |
| Glu | Leu | Leu | Thr | Lys | Gln | Asn | Gln | Tyr | Asn | Leu | Ala | Arg | Ala | Gln |  |
|     |     |     |     | 275 |     |     |     |     | 280 |     |     |     |     | 285 |  |
| Gln | Ser | Tyr | Asn | Ser | Ile | Val | Gln | Ile | His | Glu | Lys | Asn | Gly | Trp |  |
|     |     |     |     | 290 |     |     |     |     | 295 |     |     |     |     | 300 |  |
| Tyr | Thr | Pro | Pro | Lys | Glu | Asp | Gly |     |     |     |     |     |     |     |  |
|     |     |     |     | 305 |     |     |     |     |     |     |     |     |     |     |  |

&lt;210&gt; 64

&lt;211&gt; 290

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte clone 3376404CD1

&lt;400&gt; 64

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
| Met | Arg | Arg | Pro | Ala | Ala | Val | Pro | Leu | Leu | Leu | Leu | Cys | Phe |     |  |
| 1   |     |     |     | 5   |     |     |     |     | 10  |     |     |     | 15  |     |  |
| Gly | Ser | Gln | Arg | Ala | Lys | Ala | Ala | Thr | Ala | Cys | Gly | Arg | Pro | Arg |  |
|     |     |     |     | 20  |     |     |     |     | 25  |     |     |     |     | 30  |  |
| Met | Leu | Asn | Arg | Met | Val | Gly | Gly | Gln | Asp | Thr | Gln | Glu | Gly | Glu |  |
|     |     |     |     | 35  |     |     |     |     | 40  |     |     |     |     | 45  |  |
| Trp | Pro | Trp | Gln | Val | Ser | Ile | Gln | Arg | Asn | Gly | Ser | His | Phe | Cys |  |
|     |     |     |     | 50  |     |     |     |     | 55  |     |     |     |     | 60  |  |
| Gly | Gly | Ser | Leu | Ile | Ala | Glu | Gln | Trp | Val | Leu | Thr | Ala | Ala | His |  |
|     |     |     |     | 65  |     |     |     |     | 70  |     |     |     |     | 75  |  |
| Cys | Phe | Arg | Asn | Thr | Ser | Glu | Thr | Ser | Leu | Tyr | Gln | Val | Leu | Leu |  |
|     |     |     |     | 80  |     |     |     |     | 85  |     |     |     |     | 90  |  |
| Gly | Ala | Arg | Gln | Leu | Val | Gln | Pro | Gly | Pro | His | Ala | Met | Tyr | Ala |  |
|     |     |     |     | 95  |     |     |     |     | 100 |     |     |     |     | 105 |  |
| Arg | Val | Arg | Gln | Val | Glu | Ser | Asn | Pro | Leu | Tyr | Gln | Gly | Thr | Ala |  |
|     |     |     |     | 110 |     |     |     |     | 115 |     |     |     |     | 120 |  |
| Ser | Ser | Ala | Asp | Val | Ala | Leu | Val | Glu | Leu | Glu | Ala | Pro | Val | Pro |  |
|     |     |     |     | 125 |     |     |     |     | 130 |     |     |     |     | 135 |  |
| Phe | Thr | Asn | Tyr | Ile | Leu | Pro | Val | Cys | Leu | Pro | Asp | Pro | Ser | Val |  |
|     |     |     |     | 140 |     |     |     |     | 145 |     |     |     |     | 150 |  |
| Ile | Phe | Glu | Thr | Gly | Met | Asn | Cys | Trp | Val | Thr | Gly | Trp | Gly | Ser |  |
|     |     |     |     | 155 |     |     |     |     | 160 |     |     |     |     | 165 |  |
| Pro | Ser | Glu | Glu | Asp | Leu | Leu | Pro | Glu | Pro | Arg | Ile | Leu | Gln | Lys |  |
|     |     |     |     | 170 |     |     |     |     | 175 |     |     |     |     | 180 |  |
| Leu | Ala | Val | Pro | Ile | Ile | Asp | Thr | Pro | Lys | Cys | Asn | Leu | Leu | Tyr |  |
|     |     |     |     | 185 |     |     |     |     | 190 |     |     |     |     | 195 |  |
| Ser | Lys | Asp | Thr | Glu | Phe | Gly | Tyr | Gln | Pro | Lys | Thr | Ile | Lys | Asn |  |
|     |     |     |     | 200 |     |     |     |     | 205 |     |     |     |     | 210 |  |
| Asp | Met | Leu | Cys | Ala | Gly | Phe | Glu | Glu | Gly | Lys | Lys | Asp | Ala | Cys |  |
|     |     |     |     | 215 |     |     |     |     | 220 |     |     |     |     | 225 |  |
| Lys | Gly | Asp | Ser | Gly | Gly | Pro | Leu | Val | Cys | Leu | Val | Gly | Gln | Ser |  |
|     |     |     |     | 230 |     |     |     |     | 235 |     |     |     |     | 240 |  |

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Trp | Leu | Gln | Ala | Gly | Val | Ile | Ser | Trp | Gly | Glu | Gly | Cys | Ala | Arg |
|     |     |     |     | 245 |     |     |     |     | 250 |     |     |     |     | 255 |
| Gln | Asn | Arg | Pro | Gly | Val | Tyr | Ile | Arg | Val | Thr | Ala | His | His | Asn |
|     |     |     |     | 260 |     |     |     |     | 265 |     |     |     |     | 270 |
| Trp | Ile | His | Arg | Ile | Ile | Pro | Lys | Leu | Gln | Phe | Gln | Pro | Ala | Arg |
|     |     |     |     | 275 |     |     |     |     | 280 |     |     |     |     | 285 |
| Leu | Gly | Gly | Gln | Lys |     |     |     |     |     |     |     |     |     |     |
|     |     |     |     | 290 |     |     |     |     |     |     |     |     |     |     |

<210> 65  
 <211> 198  
 <212> PRT  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <223> Incyte clone 4173111CD1

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Met | Glu | Met | Ser | Gly | Leu | Ser | Phe | Ser | Glu | Met | Glu | Gly | Cys | Arg |
| 1   |     |     |     | 5   |     |     |     |     | 10  |     |     |     |     | 15  |
| Asn | Leu | Leu | Gly | Leu | Leu | Asp | Asn | Asp | Glu | Ile | Met | Ala | Leu | Cys |
|     |     |     |     | 20  |     |     |     |     | 25  |     |     |     |     | 30  |
| Asp | Thr | Val | Thr | Asn | Arg | Leu | Val | Gln | Pro | Gln | Asp | Arg | Gln | Asp |
|     |     |     |     | 35  |     |     |     |     | 40  |     |     |     |     | 45  |
| Ala | Val | His | Ala | Ile | Leu | Ala | Tyr | Ser | Gln | Ser | Ala | Glu | Glu | Leu |
|     |     |     |     | 50  |     |     |     |     | 55  |     |     |     |     | 60  |
| Leu | Arg | Arg | Arg | Lys | Val | His | Arg | Glu | Val | Ile | Phe | Lys | Tyr | Leu |
|     |     |     |     | 65  |     |     |     |     | 70  |     |     |     |     | 75  |
| Ala | Thr | Gln | Gly | Ile | Val | Ile | Pro | Pro | Ala | Thr | Glu | Lys | His | Asn |
|     |     |     |     | 80  |     |     |     |     | 85  |     |     |     |     | 90  |
| Leu | Ile | Gln | His | Ala | Lys | Asp | Tyr | Trp | Gln | Lys | Gln | Pro | Gln | Leu |
|     |     |     |     | 95  |     |     |     |     | 100 |     |     |     |     | 105 |
| Lys | Leu | Lys | Glu | Thr | Pro | Glu | Pro | Val | Thr | Lys | Thr | Glu | Asp | Ile |
|     |     |     |     | 110 |     |     |     |     | 115 |     |     |     |     | 120 |
| His | Leu | Phe | Gln | Gln | Gln | Val | Lys | Glu | Asp | Lys | Lys | Ala | Glu | Lys |
|     |     |     |     | 125 |     |     |     |     | 130 |     |     |     |     | 135 |
| Val | Asp | Phe | Arg | Arg | Leu | Gly | Glu | Glu | Phe | Cys | His | Trp | Phe | Phe |
|     |     |     |     | 140 |     |     |     |     | 145 |     |     |     |     | 150 |
| Gly | Leu | Leu | Asn | Ser | Gln | Asn | Pro | Phe | Leu | Gly | Pro | Pro | Gln | Asp |
|     |     |     |     | 155 |     |     |     |     | 160 |     |     |     |     | 165 |
| Glu | Trp | Gly | Pro | Gln | His | Phe | Trp | His | Asp | Val | Lys | Leu | Arg | Phe |
|     |     |     |     | 170 |     |     |     |     | 175 |     |     |     |     | 180 |
| Tyr | Tyr | Asn | Thr | Ser | Glu | Gln | Asn | Val | Met | Gly | Leu | Thr | Met | Glu |
|     |     |     |     | 185 |     |     |     |     | 190 |     |     |     |     | 195 |
| Pro | Glu | Ser |     |     |     |     |     |     |     |     |     |     |     |     |

<210> 66  
 <211> 789  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <223> Incyte clone 001106CB1

|            |            |            |            |             |             |     |  |  |  |  |  |  |  |  |
|------------|------------|------------|------------|-------------|-------------|-----|--|--|--|--|--|--|--|--|
| <400> 66   |            |            |            |             |             |     |  |  |  |  |  |  |  |  |
| atatatacgt | atatacccct | cttgcccttg | aaggccggaa | gtcggctctta | cagataaaaag | 60  |  |  |  |  |  |  |  |  |
| cgaaacagga | agtcccgccc | ctctatggaa | agtaaatggt | agctcggaag  | ggtcaaaaaga | 120 |  |  |  |  |  |  |  |  |
| gtccgcggtt | tcgccgcgtg | agttgctttt | tgcggctggg | gaggtctacg  | cttctagagc  | 180 |  |  |  |  |  |  |  |  |

```

ttgagccagc ggggcgaccc tgcagtggca ggactcggca ccgcgccttc caccgccggt 240
tggtggcctg cgtgacagtt tcctcccgtc gacatcgaaa ggaagccgga cgtgggcggg 300
cagagagctt catcgagta ggaatggcag ccccatctat gaaggaaaaga caggctctgt 360
ggggggcccg ggatgagtac tggaaagtgt tagatgagaa cttagaggat gcttctcaat 420
gcaagaagtt aagaagctct ttcgaatcaa gttgtcccca acagtggata aaatattttg 480
ataaaagaag agactactta aaattcaaag aaaaatttga agcaggacaa tttgagcctt 540
cagaaaacaac tgcaaaatcc taggctgttc ataaagattg aaagtattct ttctggacat 600
tgaaaaagct ccactgacta tggaaacagta atagtttgaa tcatagttaa catcaatact 660
tgttccctat atacgacact tgataattaa gatgatcaag aaccagaaga tctgtgaaga 720
aatgaaataa aatggtattt agtaagaaat ctctatttta agaaaaaaag taaaacctgt 780
tataaacaa
789

```

<210> 67  
 <211> 1117  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte clone 004586CB1

```

<400> 67
gccagagcgc ttcggccttc ccgacctctc cccggagccc cgggcctccc cggctgcttc 60
cctgagtcct tcctcctctc gccagagccc gagcgccttc cggagaccct cggctttccc 120
cgtccgctct cccggaggca gcgcggggct ataggacgaa gttatacggg agcgtctcct 180
cattgatgga gatggtgctg gagatgatcg gagaattaat ctgctagtga agagtctcat 240
taaattggtgc aactctgggt cccaggaaga gggatatagc cagtaccaac gtatgctgag 300
cacgctgtct caatgtgaat tttcaatggg caaaacttta ctagtatatg atatgaatct 360
cagagaaatg gaaaattatg aaaaaattta caaggaaata gaattgtagc tagctggagc 420
acatgaaaaa attgctgagt gcaaaaagca aattcttcaa gcaaaacgaa cacgaaaaaa 480
tcgccaagaa tatgatgctt tggcaaaagt gattcagcac catccagaca ggcagagac 540
attaaaggaa ctagaggctc tgggaaaaga attagagcat ctttcacaca tttaaagaaag 600
tgttgaagat aagctggaat tgagacggaa acagtttcat gttcttctta gtaccatcca 660
tgaaacttcag caaacattgg aaaatgatga aaaactctca gaggtagaag aagctcagga 720
agcaagcatg gaaacagatc ctaagccata gacaggctaa ttgcccacca ctcccaggaa 780
tattgaaata gctacatgac cataatgtgt ttaaaatgtg gtatgctctt gagatattta 840
aagttttggc agtaaaatac tctgttttta agtatgaatg tatttcattc atatttcttc 900
tcacaaagga aaatgacttc agtatagatt tgtttttatt aaaatgcatt ttttattctt 960
aagtggtagg aagcaacatc caaaaatgct taataaaatg cttttaagct gcaaaaaaga 1020

annnaaanga gcantnannng ntgggggcn cnnntngtaaa ananaaaagg gnggnccccc 1080
ggntannttg aancccatcn ncccccgga tttaatt
1117

```

<210> 68  
 <211> 1628  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte clone 052927CB1

```

<400> 68
ggcggcgggc acgactgcag ctcgggaggt agcggccttg cgagggacgg gccggctgcc 60
ctctcggacg gccgcggcgg agggcaaaaa tggcggaggc ttcggcgggc ggggcggact 120
cgggcgcggc tgtagccgcc caccggtttt tctgccactt ttgcaagggc gaggtcagcc 180
ccaaactacc ggaatatata tgtcccagat gtgaatcagg ctttattgaa gaagtgcagc 240
atgattccag ttttttaggt ggtggcggca ctcggataga caataccaca acaacacatt 300
ttgcagagct ttggggccat ttggatcaca cgtgttttt tcaagatttt agacccttc 360
taagtagcag tccactggac caagataata gagccaatga aaggggtcac cagactcaca 420
ctgacttctg gggagcaaga cctccacggt tgccattggg tcggagatac agatctcgag 480
gaagttctcg tcctgacaga tctccagcta ttgaaggaat actacaacac atctttgcag 540

```

```

gattctttgc aaattctgcc attcctggat ctccacaccc tttttcctgg agcgggatgc 600
tgcactccaa ccttggggac tatgcctggg gtcagacagg gcttgatgcc attgtaaccc 660
agcttttagg acaactggaa aacacaggcc ctccccagc tgacaaggaa aagatcacat 720
ctcttccaac agtgacagta actcaggaac aagttgatat gggtttagag tgtccagtat 780
gcaaagaaga ttacacagtt gaagaggaag tccggcagtt accttgcaat cacttctttc 840
acagcagttg tattgtgccg tggctagaac tgcacagcac atgtcctgta ttaggaaga 900
gcttaaatgg tgaggactct actcggcaaa gccagagcac tgaggcctct gcaagcaaca 960
gatttagcaa tgacagtcag ctacatgacc gatggacttt ctgaagctaa agaccacacc 1020
tgaatcaggg ctgtggtaat catcttacca tagctgtaaa ttgtatcaaa acaaaaaatt 1080
agtagatgga ttttaggaata tgtaagaaac tcaacacata atataaatgc aatgaatggt 1140
tttcttcttt aaattttaaag ttagtatcta cagatggaat tgtatctaca accaaatgcc 1200
tcttatccct gaattcagag tgataatttt ataagtgtga aacttaatta ttagggctc 1260
ccccgctctg aatagaatta attccttaaa gtctagttag ggtcctgctg tctgtcatgt 1320
tgcttgttaa cggatgtttc cacctccttc tccaacctct accccaccat tagtgtattt 1380
tactataaaa acagtggaa cagagcccta aagtcctgct gatataaagt ccttttgtct 1440
taattgtatt taaaaaaaan nnnnactact cttgntcaca ttagctatga ggcgaggtca 1500
anttcaggtt tctaagacta atgatttttt tttgntttga tccccagagn gcanatcaaa 1560
gnaaaattac agcaagnagg cgaaaagtgg tttnncatng nnttngcttt nggtattttt 1620
tnatttna                                     1628

```

&lt;210&gt; 69

&lt;211&gt; 1706

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte clone 082843CB1

&lt;400&gt; 69

```

tgatactgaa ttaaatataaa gtggattttt agagtttatt aagcagggga gtggagggga 60
gatgtggcac aaatagaagt atgtaacatt caaacaacag catctaggat ttttgaaaaa 120
actttcgggt acagttacac aaagggtcac ttctcccca gcgacacatg ggcctctcaa 180
aggagaggag ggagtaagtc ccacggtagg gccagtgggt gctccctggg ttttggaatc 240
atttctgcgg agctttcaag gccagaccct gggcttaggg tcgagacttc atagcagtga 300
cagccagacc cagcaagatg gctgcgaccg tgaaccctg ggcgcgatc cgggtgcgca 360
tcactgactg agagcgctgg ctgttgcccc ggtggaagga gttagaggcc taggtgaggg 420
cggccgccgt ggcccaggca acctatgggt accaccgggt tctcgcggtt cttgcgaacg 480
aacttttctt tgaaactctc tggattcctg taaacagtgg ggctcagccc ctcaatgact 540
ggaggcttcg atggttcaaa ggggacctcc ggaatcacag ggccgggagt cgccatgtcc 600
gggccacagc agcaggagaa aatcgggact ccgacctcag cctcccggtg aaggtcatga 660
aagggcgagg gaaacgaata aattgagcct tgtacgcagg cgcaatgtct gttgcatcct 720
gggagtcgta gtgctcagca cggtagtgtt acaaaaaggac tacatttccc caaatgcccg 780
caaagccttg tgcacgcctt ccggaaggag tttgttacac gaggtctgag agacagaggc 840
agcgtgtttg agctgctggt gcggtggtca gcgcgatgcc caaggccaag ggcaaaaccc 900
ggaggcagaa gtttggttac agtgtaacc gaaagcgtct gaaccggaat gctcgacgga 960
aggcagcgcc gcggatcgaa tgctccaca tccgacatgc ctgggaccac gctaaatcgg 1020
tacggcagaa cctggccgag atggggttgg ctgtggaccc caacagggcg gtgcccctcc 1080
gtaagagaaa ggtgaaggcc atggaggtgg acatagagga gagcctgtac 1140
ggaagcccta tgtgtgtaat gacctggagg cagaagccag ccttccagaa aagaaaggaa 1200
atactctgtc tcgggacctc attgactatg tacgtacat ggtagagaac cacggggagg 1260
actataaggc catggcccgt gatgagaaga attactatca agatacccca aaacagattc 1320
ggagtaagat caacgtctat aaacgctttt acccagcaga gtggcaagac ttcctcgatt 1380
ctttgcagaa gaggaagatg gaggtggagt gactggttta catcacagct gccccaggct 1440
gaggcgctcc ccggaccagt gaagctggag ccagggtgta aggtgtgtgt 1500
gctccagagg agctggccag gtcccatgga atcagaaggt tacacacaca cgtgcacact 1560
ccccgctctg gggaaggaac tgttctcaga ggctccaatt tatattcatc tgggggttca 1620
cggaaaagcc agaacctgt gttttcaggg tgggtgatgt aaatatagtg tgtacataat 1680
aaagcaata tattttactt ctctga                                     1706

```

&lt;210&gt; 70

&lt;211&gt; 1864



<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte clone 322349CB1

<400> 70  
catgcgacg tgggcccgtgg gtgtacgcgg cgcacgcggc agtcctgatg gcccggcatg 60  
ggttaccgct gctgcccctg ctgtcgctcc tggtcggcgc gtggctcaag ctaggaaatg 120  
gacaggctac tagcatggtc caactgcagg gtgggagatt cctgatggga acaaattctc 180  
cagacagcag agatggtgaa gggcctgtgc gggaggcgac agtgaaaccc ttgtccatcg 240  
acatatttcc tgtcaccaac aaagatttca gggattttgt caggagaaaa aagtatcgga 300  
cagaagctga gatgtttgga tggagctttg tctttgagga ctttgtctct gatgagctga 360  
gaaacaaaag caccagacca atgaagtctg tactctgggt gcttccagtg gaaaaggcat 420  
tttggaggca gcctgcaggt cctggctctg gcacccgaga gagactggag caccagtggt 480  
tacacgtgag ctggaatgac gcccgtgcct actgtgcttg gcggggaaaa cgactgcccc 540  
cggagggaaga gtgggagttt gccgcccag ggggcttgaa gggtaagtt taccatggg 600  
ggaactggtt ccagccaaac cgcaccaacc tgtggcaggg aaagttcccc aaggagaga 660  
aagctgagga tggcttccat ggagtctccc cagtgaatgc ttccccgcgc cagaacaact 720  
acgggctcta tgacctcctg gggaacgtgt gggagtgag agcatcacg taccagctg 780  
ctgagcagga catgcgcgtc ctccgggggg catcctggat cgacacagct gatggctctg 840  
ccaatcaccc ggcccgggtc accaccagga tgggcaacac tccagattca gcctcagaca 900  
acctcggttt ccgctgtgct gcagacgcag gccggccgcc aggggagctg taagcagccg 960  
ggtggtgaca aggagaaaag ctttctaggg tcaactgtcat tccctggcca tgttgcaaac 1020  
agcgtgagga caagctcgag agcttcagcc tcaggaaaaga acttccccct cctgtgtctc 1080  
catccctctg tggcaggcgc ctctcaccag ggcaggagag gactcagcct cctgtgtttt 1140  
ggagaagggg ccaatgtgt gttgacgat gctggggggc aggtgtttct gtttagaggc 1200  
aagtattatt gacacaggat tgcaaacaca caaacaattg gaacagagca ctctgaaagg 1260  
ccatttttta agcattttta aatctattct ctcccccttt ctccctggat gattcaggaa 1320  
gctgacattg tttcctcaag gcagaatttt cctggttctg ttttctcagc cagttgctgt 1380  
ggaaggagaa tgctttcttt gtggcctcat ctgtggtttc gtgtccctct gaaggaaact 1440  
agtttccact gtgtaacagg cagacatgta actagggtct ttctctgttg cccaggctag 1500  
agtgcactgg tgatcacggc tcaactctagc cttgaattcc tgggccaag caattctccc 1560  
acctcagcct cctgagtagc tgggactaca agtgtgcacc accatgcctg gctaattttt 1620  
tgaatttttg tagtgatggg atctcgtctt gttgcccagg gtggtctcga actcctggcc 1680  
tcaagcgatc ctcccacctc gacctcccaa agtgcctggga ttacaggtgt gagccacctc 1740  
gcctggggcc ctttctccat atgcctccaa aaacatgtcc ctggagagta gctgtctccc 1800  
acactgtcac tggatgtcat ggggccaata aaatctcctg caattgtgta tctcaaaaaa 1860  
aaaa 1864

<210> 71  
<211> 2738  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte clone 397663CB1

<400> 71  
aggtaactgc agtaagtccc gcttggccct ggagtccacg cggattttcg aagctggggc 60  
tggcaagagg ccgctggaca ccacgtccca gtcgtcagcc cacttcctag ctgaacagcg 120  
cgaggcggcg gcagcgagcc ggttcccacc atggcgcga attattccag taccagtacc 180  
cggagagaac atgtcaaagt taaaaccagc tcccagccag gcttcctgga accgctgagc 240  
gagacctcgg gtgggatgtt tgtggggctc atggccttcc tgctctcctt ctacctaat 300  
ttcaccaatg agggccgcgc attgaagacg gcaacctcat tggctgaggg gctctcgctt 360  
gtggtgtctc ccgacagcat ccacagtgtg gctccggaga atgaaggag gctggtgcac 420  
atcattggcg ccttacggag atccaagctt ttgtctgac caaactatgg ggtccatctt 480  
ccggtgtgga aactgcggag gcacgtggag atgtaccaat gggtagaaac tgaggagtcc 540  
agggagtaca ccgaggatgg gcaggtgaag aaggagacga ggtattccta caacactgaa 600  
tggaggtcag aaatcatcaa cagcaaaaac ttcgaccgag agattggcca caaaaacccc 660  
agtgccatgg cagtggagtc attcacggca acagccccct ttgtccaaat tggcagggtt 720

|            |            |            |             |             |             |      |
|------------|------------|------------|-------------|-------------|-------------|------|
| ttcctctcgt | caggcctcat | cgacaaagtc | gacaacttca  | agtcctctgag | cctatccaag  | 780  |
| ctggaggacc | ctcatgtgga | catcattcgc | cgtggagact  | ttttctacca  | cagcgaaaaat | 840  |
| cccaagtatc | cagaggtggg | agacttgctg | gtctcctttc  | ctatgctgga  | ctgagcggcg  | 900  |
| atgaccctga | cctgggcccc | gctcacgtgg | tcactgtgat  | tgcccggcag  | cggggtgacc  | 960  |
| agctagtccc | attctccacc | aagtctgggg | ataccttact  | gctcctgcac  | cacggggact  | 1020 |
| tctcagcaga | ggaggtgttt | catagagaac | taaggagcaa  | ctccatgaag  | acctggggcc  | 1080 |
| tgccggcagc | tggctggatg | gccatgttca | tgggcctcaa  | ccttatgaca  | cggatcctct  | 1140 |
| acaccttggt | ggactggttt | cctgttttcc | gagacctggg  | caacattggc  | ctgaaagcct  | 1200 |
| ttgccttctg | tgtggccacc | tcgctgaccc | tgctgaccgt  | ggcggctggc  | tggctcttct  | 1260 |
| accgaccctt | gtgggcccct | ctcattgccc | gcctggccct  | tgtgcccctc  | cttgtttgct  | 1320 |
| ggacacgggt | gccagccaaa | aagttggagt | gaaaagaccc  | tggcaccctc  | ccgacacctg  | 1380 |
| cgtgagccct | aggatccagg | tcctctctca | cctctgaccc  | agctccatgc  | cagagcagga  | 1440 |
| gccccggcca | attttggact | ctgcactccc | tctcctcttc  | aggggccaga  | cttggcagca  | 1500 |
| tgtgcaccag | gttgggtgtt | accagctcat | gtcttcccca  | catctcttct  | tgccagtaag  | 1560 |
| cagctttggt | gggcagcagc | agctcatgaa | tggcaagctg  | acagcttctc  | ctgctgtttc  | 1620 |
| cttccctctt | tggactgagt | gggtacggcc | agccactcag  | cccattggca  | gctgacaacg  | 1680 |
| cagacacgct | ctacggaggc | ctgctgataa | agggctcagc  | cttgccgtgt  | gctgcttctc  | 1740 |
| atcactgcac | acaagtgcc  | tgccttgcca | ccaccaccaa  | gcacatctgt  | gatcctgaag  | 1800 |
| ggcggccggt | agtcgttact | gctgagtcct | gggtcaccag  | cagacacact  | gggcatggac  | 1860 |
| ccctcaagc  | aggcacacc  | aaaacacaag | tctgtggcta  | gaacctgatg  | tgggtgtttaa | 1920 |
| aagagaagaa | acactgaaga | tgtcctgagg | agaaaaagctg | gacatatact  | gggcttcaca  | 1980 |
| cttatcttat | ggcttggcag | aatctttgta | gtgtgtggga  | tctctgaagg  | ccctattttaa | 2040 |
| gtttttcttc | gttactttgc | tgcctcatgt | gtactttcct  | acccaagag   | gaagttttct  | 2100 |
| gaaataagat | ttaaaaacaa | aacaaaaaaa | acacttaata  | tttcagactg  | ttacaggaaa  | 2160 |
| caccttttag | tctgtcagtt | gaattcagag | cactgaaagg  | tgttaaattg  | gggtatgttg  | 2220 |
| tttgattgat | aaaaagttac | ctctcagtat | tttgtgtcac  | tgagaagctt  | tacaatggat  | 2280 |
| gcttttgaaa | caagtatcag | caaaaggatt | tgttttctact | ctgggaggag  | aggggtggaga | 2340 |
| aagcacttgc | tttcatcctc | tggcatcgga | aactccccta  | tgcacttgaa  | gatggtttaa  | 2400 |
| aagattaaag | aaacgattaa | gagaaaaggt | tggaaagctt  | atactaaatg  | ggctccttca  | 2460 |
| tggtagccgc | ccgtcaacca | caatcaagaa | ctgaggcctg  | aggctggttg  | tacaatgccc  | 2520 |
| acgcctgcct | ggctgcttcc | acctgggagt | gctttcgatg  | tgggcacctg  | ggcttcctag  | 2580 |
| ggctgcttct | gagtgttctt | ttcacgtgtt | gtgtccatag  | ctttagtctt  | cctaaataag  | 2640 |
| atccaccac  | acctaagtca | cagaatttct | aagttcccca  | actactctca  | caccttttta  | 2700 |
| aagataaagt | atgttgtaac | caggatgtct | taaaaaca    |             |             | 2738 |

&lt;210&gt; 72

&lt;211&gt; 3685

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;223&gt; Incyte clone 673766CB1

&lt;400&gt; 72

|            |             |             |            |            |             |      |
|------------|-------------|-------------|------------|------------|-------------|------|
| ctggcaggaa | gcgaggggtgc | ggcgcaattcc | ggagaggagc | ccaggacgac | gcccagattc  | 60   |
| cctttcaggc | tagaactctt  | cctttttcta  | gcttggggta | gaaggcggag | cgtagccccg  | 120  |
| gaacccccgc | cctcgggggtg | cgaggcgcca  | gcagggccgt | cccctacatt | tgcatagcc   | 180  |
| ctgggacgtg | gcgctgcacc  | caagcctctt  | ctcagttgga | gggaactcca | agtcccacag  | 240  |
| tgccacgggg | tgggggtgcgt | cactttcgct  | gcgttggagg | ctgaggagaa | ttgagccttg  | 300  |
| gaggcgggtc | cggagagggc  | tatggaaagc  | cgccggcggg | gaatcccggc | cgtagaggga  | 360  |
| cagtggatag | gtgcccagg   | cctacagctg  | gcctggggct | cgtgtctggg | cttcggacct  | 420  |
| tggggcccgg | tggcccaccc  | tttccgtagt  | tgtcccaaat | ggagctggaa | ttggatgctg  | 480  |
| gtgaccaaga | cctgctggcc  | ttcctgctag  | aggaagtggt | agatttgggg | acggcaccgc  | 540  |
| atgaggccgt | gagggcccca  | ctggactggg  | cgctgccgct | ttctgaggta | ccgagcgact  | 600  |
| gggaagtaga | tgatttgctg  | tgtccctgc   | tgagtccccc | agcgtcgttg | aacatttctca | 660  |
| gtccttccaa | cccctgcctt  | gtccaccatg  | accacaccta | ctccctccca | cgggaaactg  | 720  |
| tctctatgga | tctagagagt  | gagagctgta  | gaaaagaggg | gaccagatg  | actccacagc  | 780  |
| atatcgagga | gctggcagag  | caggagattg  | ctaggctagt | actgacagat | gaggagaaga  | 840  |
| gtctatttga | gaaggagggg  | cttattctgc  | ctgagacact | tctctctact | aagacagagg  | 900  |
| aacaaattct | gaaacgtgtg  | cggaggaaga  | ttcgaaataa | aagatctgct | caagagagcc  | 960  |
| gcaggaaaaa | gaaggtgtat  | gttgggggtt  | tagagagcag | ggctttgaaa | tacacagccc  | 1020 |
| agaatatgga | gcttcagaac  | aaagtacagc  | ttctggagga | acagaatttg | tcccttctag  | 1080 |

```

atcaactgag gaaactccag gccatggtga ttgagatata aaacaaaacc agcagcagca 1140
gcacctgcat cttggtccta ctagtctcct tctgcctcct ccttgtaacc gctatgtact 1200
cctctgacac aagggggagc ctgccagctg agcatggagt gttgtccgcg cagcttcgtg 1260
ccctccccag tgaggaccct taccagctgg agctgcctgc cctgcagtca gaagtgccga 1320
aagacagcac acaccagtgg ttggacggct cagactgtgt actccaggcc cctggcaaca 1380
cttcccgct gctgcattac atgcctcagg ctcccagctg agagcctccc ctggagtggc 1440
cattccctga cctcttctca gagcctctct gccgaggctc catcctcccc ctgcaggcaa 1500
atctcacaag gaaggagga tggcttccta ctggtagccc ctctgtcatt ttgcaggaca 1560
gatactcagg ctagatatga ggatatgtgg ggggtctcag caggagcctg gggggctccc 1620
catctgtgtc caaataaaaa gcggtgggca agggctggcc gcagctcctg tgccctgtca 1680
ggacgactga gggctcaaac acaccacact taatggcttt ctgggtcttt tatttgtacc 1740
catgtgtctg tcacaccatg aatgtacctg gggaaatcaa ctgacctccc tgaacatttc 1800
acgcagtcag ggaacagggt aggaaagaaa taaataagtg attctaattg tgcctaggtc 1860
acctcaacc ccattttact ggcacaattg ggtggagaga agggaaaggg tatgattgtc 1920
ctgatggctc aggggttgca gaggttcaga ggggaaggag gaaaggccag gctggaggct 1980
gggctgttag cacttccttc ccacagttca gacggctcac tctgggctca ggtttgccat 2040
ggcttccttt ggtccaaaca taggccctgt ccttagtcct gtgccctgtt tgacttttgg 2100
ccaggaggcc tttttgtgct gctgctgttg cagggtagc tgcatggccc atatgctcag 2160
tgggcgcatg taggccagt agcggaacac tcgctgctgg cagtatgctt ctggggtctg 2220
gaagcccaag cccagcgct cccacacggg acggtagcag ccttcagctg tctggaagcc 2280
ctcccaagtc aggcctctt ggatcatggt agctgccagc ccgtagacca caccaccca 2340
gacttcacac gactgcacac tggatttatc agggacacca tggggctgca tcccattcac 2400
agccccatg gcccctcctg caaaggcctg gacgttcagc tcaaagatag tttggagagc 2460
acggaccaca tgttgggtag gaaacacctc agtgtctcct tctcctaggc cacaggcctt 2520
caggaaccac tgtccagcac actggtcaga cataacacta cgagactgag gccgagagct 2580
gctgtcatag ttgtaatagc ggccattctc cagcagcttc tcataggctt ctgggccccg 2640
gctgaggata gaagaaaact tatcctgggt gtcctgtgcc ccacacagag cagccatctg 2700
gaccatcaca gccacagctg ccagccacag ccctccacag taagcactgg gccctgtggt 2760
caccatcca tcataggctt ggtctgcata gcctccattt tcaatgagtc catcatggct 2820
cttgtcaaac ttcatttcag attccatcac agctagacac acaggccaca tgtccttcag 2880
gaagttttga tcaccctgta ggtaatatgc ccgataaacc tgcagcaca acttcaggtt 2940
caggttcctt caatcagcag tatcatggat taaatatgca ttgacgcgga gccatggttc 3000
atcatctggg tccccaatat catgggggat gacgttcctc cttttcacag gtgccatcac 3060
ccactcatc aggtaccgtc gccgtgtcag gtctccctg agagtggcca gagccatgtc 3120
atactgtagg ctgagctcaa gtttgggcca gagcatgatg agggcaaagg aagcataaaa 3180
gtggacatca tatgtgttgt acatgcggtg gagggtgaca catgtttctg cccagctcct ctggtaggga 3300
gtagtccctg aggggtgggg acactgtgcc tccatcagcc aggaagtata gttcattgaa 3360
gtcctcaaga acttcagcc caggcagtgat tctgtcatcc aataccgggc tctgccaagc 3420
cagcgcagat ttgtaccagg ctgogtatcg gcacagtga tagtggtga gggcaggtgc 3480
tgagatcctc tcttcccact ctgogtatcg ataccgcctg tagtggaact ggccttttag 3540
tgcatctcca tcttgccaa atcctgggca tgtcccaagc cagtgaatac tccaggcggc actggcctcg 3600
tccaaacatg atcctgggca tgtcccaagc cagcagacag tccagcaatg cctactcctt tctgcgtagg 3660
aggtcgcaac ttgctggaa cccacacagc agccg

```

<210> 73  
 <211> 1801  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte clone 1504753CB1

<400> 73  
 ccgaattcgg anagnncat acgccagtca gcaggagcag cagcataatc cagcatgttg 60  
 ggctgccctt agcgccaggc acacacagcg caccaacaag tctaccacag tctgacctaa 120  
 gccagtttca aactcagacc cagccttttag tcgggcaagt cgacgatact agaagaaaat 180  
 cagaacccct acctcaacca ccactttctc tcatttgctga aaataagcct gttctggaag 240  
 cgcctgttgc agattccctg gcaaaccctt ttcagttaac acctatgaac agtctggcca 300  
 cctctgtatt cagcatagct attcctgttg atggtgatga agacaggaa ccttcaactg 360

```

ctttctacca agcgttccat ttgaacacgt taaaggaatc aaagagcctc tgggatagtg 420
catctggggg aggtgttgta gccattgaca acaaaataga acaagcaatg gatctggtga 480
aaagccattt gatgtatgca gtaagagaag aagtggaaat tttaaaggaa caaataaaaag 540
aattagttga aagaaactct ttacttgaac gagaaaaatgc actgttaaaa tctctttcaa 600
gcaatgatca attatcccaa ctcccaaccc aacaggccaa tcctggtagc acttctcaac 660
agcaagcagt gatagcacag cctccgcagc caacgcaacc tccacagcag ccgaatgtct 720
cctcagcata aagcttttctt aagcctcatt aagaaaaaaa ctgaaagcaa tctatccttg 780
tgtgccactg gtgttctttc cactttatac gaaagcaagt agccatgctt tgggtgtgtg 840
tttggccttt tcagtattag acaatcattc tacaagagct tttcctctct ctgagatgtc 900
atgcagcgct gttgatgtcc agttctatgt catcagtaca caaggagaat aatagatggg 960
gtttattaaa gcgagcaaag tctgcatttt acctggtgcg catgagtggg gtctttaaga 1020
gttttgggtg ctctcccatg tttcctatta cccatggatt taccctgagc ctccctatca 1080
cattataaat aacagttcat ctaaagagcc acttttcttt ctgattcagt aacatttgcc 1140
tacataagtt ttcatattt tgtgttttat ttattacagg gctgctattt tcataatgta 1200
catgaacaat gtcacagaac ttttttaatt tttttgaata attataagta tcagtaaaag 1260
aagtgaagaa caggattgca tttaatatag aaaacgttta ggcaataatt gaacaaaaga 1320
atcctggcat atttctaaca ctaatggcaa tttacttatg gtattttatt tcagtagtaa 1380
agaccagct tgaatgtaaa ttttgtatag tgtaagtatg aagaacatag tgcaactgta 1440
caggtagtca ccagttattg tgatatgata aataattggg ctattttgat gaagaaaact 1500
ttgttcattt gtttctactt tctaagagaa attgccagca ttctctgctt tttcaacatt 1560
tcgtagtact ttttttcggt gtgggaataa aaagtctgta aattgttcaa cctactttgt 1620
aaccaaagaa gcaaagctgt gtaatggagt ttggtttttt tttgttgttt tttntttttt 1680
gtctttngtt tgtttttata angcacaanc tntangnatt tntaattagg gnnttcncag 1740
tcacaanttt cnnnacngnc tagnaaganc cgcaagaccc aaaaacnttg aaccaccttc 1800
g 1801

```

&lt;210&gt; 74

&lt;211&gt; 1578

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte clone 1760185CB1

&lt;400&gt; 74

```

ctcgagccgc gttactctgc gcgtaagtcg cttgtccgtg gcttctctga gaagaaaagt 60
tgaaaaaggg taaaagtttt caggaatatt cgggctctct attgctaagc atagcgagtg 120
tcggttttct ctctccaaca gacatcgcta ttgcggttcc gaggcagtgg gaagagatgc 180
ggccccctga catcgtcgag ctggcggaac cggaggaagt ggaggtgctg gagcccgagg 240
aggatttcca gcagtttctg ctcccgggtca tcaacgagat gcgcgaggac atcgcgtcgc 300
tgacgcgcga gcacgggcgg gcgtacctgc ggaaccggag caagctgtgg gagatggaca 360
atatgctcat ccagatcaaa acgcaggtgg aggcctcgga ggagagcgcc ctcaaccacc 420
tccagaaccc gggcgacgcg gccgagggcc gggcgggcaa gaggtgagag aaggccgagg 480
agaaggccaa ggagattgcg aagatggcag agatgctggg ggagctggtc cggcggaatg 540
agaagagcga gtcgtcgtga gcgcggctcg cggtttccag ccaatggatt ctggtcaact 600
ggtggagatt ggctgacacc ctggagaagc cgaaaccaga gagecttttg ttttctcttt 660
tttctgtct atgctctgtc tcaacttaaca ctacgttttc tgctatggtc tgtggttgat 720
gacctcaata tgagtttcga ttgttaacgt gtttttggtt gggaagtaat tttgtttgaa 780
aatgctctca catacaggaa ttagggccta gattgtaagc tcttgacgca gtcacatttg 840
ttcccgggct ttggtggtta tttctaaatt tttgaggtgc tttgctatct cttgtgtgac 900
ctgatagctc cctggaactt tgggtctgtg tgtgacacat gagactcaca gttggagtgc 960
tccagctctg gaggtgctga aggagctgca ttaattctgg aagacgactc catgcagcaa 1020
ctactgaaga aaggaccaga cttcaacggg gagtgtggat gggtcgacct ggctgggact 1080
cgtgaatctg gagaagagct ggagaatgga tagtattgtc tgtatttggg gactttaact 1140
tctgtgtgag accaaaggag gagagatgtg ttttgcctca aatctaaatt tgttgtggta 1200
cactatctta tgtaacctgt ctggtgagtt tgtttggaca acctaaactc gctttatttg 1260
acatggaacc taaaatagaa gataagatct tgatattctg tacaagttga tgtaataccc 1320
tgatgcgctt tagaggactt ggcataaaat gaaagattgg caaaggccct tgaggggctt 1380
ggggatgaga gtatggaact gctgcatgg gaccctaaac tggactagaa gaggcattct 1440
caaggttcat acgttgtcca gctgtaagtt catttgagta gcagacctaa caaatatttg 1500
aggctaaaac cctaccatgt taaaacaaac aaaaacttac catgttaata aaagtattca 1560
tttgcttgaa aaaaaaaaa 1578

```

<210> 75  
 <211> 1624  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte clone 1805061CB1

<400> 75  
 gccgtcgcgg acgcccgtcc gggcagccga gcctctgtgg gagccggggc cgcggcggcg 60  
 cgggtgctcc gggccgaggg cgcgtctggc tcttgctgat tgaattcctt tgggtgcagtt 120  
 tagcatgttc ctctgtgttc tgcattctct gtagtgtaat gttcaagctc agaaatgcct 180  
 tatgtggatc gtcagaatcg cattttgtgtt tttctagaca ttgaagaaaa tgaaaacagt 240  
 gggaaaatttc ttcgaaggta cttcatactg gataccagag aagatagttt cgtgtgggtac 300  
 atggataatc cacagaacct accttctgga tcatcacgtg ttggagccat taagcttacc 360  
 tacatttcaa aggttagcga tgctactaag ctaaggccaa aggcggagtt ctgttttgtt 420  
 atgaatgcag gaatgaggaa gtacttccta caagccaatg atcagcagga cctagtggaa 480  
 tgggtaaatg tggttaacaa agctataaaa attacagtac caaagcagtc agactcacag 540  
 cctaattctg ataacctaa tgcccatggt gaatgtggga aaaagcaagt gtcttacaga 600  
 actgatattg ttggtggcgt acccatcatt actccactc agaaagaaga agtaaatgaa 660  
 tgtgttgaaa gtattgacag aaataatctg aaacggtcac aaagccatct tccttacttt 720  
 actcctaacc cacctcaaga tagtgccgtt atcaaagctg gatatttgtt aaaacaagga 780  
 gcagtgatga aaaactggaa gagaagatat tttcaattgg atgaaaacac aatagggtac 840  
 ttcaaatctg aactggaaaa ggaacctctt cgcgtaatac cacttaaaga ggttcataaa 900  
 gtccaggaat gtaagcaaag cgacataatg atgagggaca acctctttga aattgtaaca 960  
 acgtctcgaa ctttctatgt gcaggctgat agccctgaag agatgcacag ttggattaaa 1020  
 gcagtctctg gcgccattgt agcacagcgg ggtcccggca gatctgcgtc ttctatgcgg 1080  
 caggccagaa ggctgtcgaa cccttgata cagaggagca tccccccggt ccttcagaat 1140  
 ccaaacacgc tttccgtcct accaacgcag ccgcccacc ctcacattcc acagcctctc 1200  
 gcagcaactc tttggtctca acctttacca tggagaagcg aggtattttac gagtctcttg 1260  
 ccaaggtcaa gccagggaac ttcaaggtcc agactgtctc tccaagagaa ccagcttcca 1320  
 aagtgactga acaagctctg ttaagacctc aaagtaaaaa tggccctcag gaaaaagatt 1380  
 gtgacctagt agacttggac gatgcgagcc ttccgggtcag tgacgtgtga ggcagaagcg 1440  
 cacggagcct gcctgcctct gccgtcctca gtttcctttc atgaggcttc tagccaaaga 1500  
 tgataaaggg ggaaatgggt tttagtgcgt atattatact gcctcttagg tgtactcttt 1560  
 ataagctggg aaaccaagaa tctaggggag gcccaacta aatataattt ctttaaaaaa 1620  
 aaaa 1624

<210> 76  
 <211> 1675  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte clone 1850120CB1

<400> 76  
 cgggtcttag ctccaggtgc gtacggcatc tgacttgacg tggcccacaa ctgaaaggctc 60  
 tggggagaag gcgccgtgtc cgggtgtgga gaggggcgtc gtggaagcga gaagagtggc 120  
 ccgtccctct cctccccctt tccctctttc ggaaagtggg ttctgcgggg cccgggagcc 180  
 tcggagttacc gaacctcgat ctccggggcg gggtccttgg tggggactga gcgccccctc 240  
 ccggggacgg gcggtctggc cgcggagtc cctgcgggag cgtgattggc tggaaaacgg 300  
 cccgaacccc caggggagcc cgatccctgg gggaccctgg cttcggactc cagtatctgt 360  
 cgtcgcaggg tccctgcccct agtggcctat gtcccttgct cggggccatg gagacactgc 420  
 ggccagtacg gcggcgcttc tgtctgaaga aggggaagtg acctccggcc tccaggctct 480  
 ggccgtggag gataccggag gccctctgc ctcggccggg aaggccgagg acgggagaa 540  
 aggaggccga gaggagaccg agcgtgagg gtccgggggc gaggaggcgc agggagaaat 600  
 cccagcgct gggggagaag agcctgccga ggaggactcc gaggactggg gcgtgccctg 660  
 cagcgacgag gaggtggagc tgccctgcga tgggcagccc tggatgcccc cgccctccga 720  
 aatccagcgg ctctatgaac tgctggctgc ccacgggtact ctggagctgc aagccgagat 780

```

cctgccccgc cggcctccca cgccggagcg ccagagcgaa gaggagagat ccgatgagga 840
gccggaggcc aaagaagagg aagaggaaaa accacacatg cccacggaat ttgattttga 900
tgatgagcca gtgacaccaa aggactccct gattgaccgg agacgcaccc caggaagctc 960
agccccgagc cagaaacggg agggccgcct ggacaagggt ctgtcggaca tgaagagaca 1020
caagaagctg gaggagcaga tccttcgtac cgggagggac ctcttcagcc tggactcggg 1080
ggacccccagc cccgccagcc cccactccg atcctccggg agtagtctct tccctcggca 1140
gcggaataac tgattccac tgctcctgcc tctaggggtg agtgtccgta cctgctggag 1200
cctgggccct ccttccccag ccagacatt gagaaacttg ggaagaagag agaaacctca 1260
agctcccaaa cagcacgttg cgggaaagag gaagagagag tgtgagtgtg tgtgtgtgtt 1320
ttttctattg aacacctgta gagtgtgtgt gtgtgttttc tattgaacac ctatagagag 1380
agtgtgtgtg ttttctattg aacatctata tagagagagt gtgtgagtgt gtgttttcta 1440
ttgaacacct attcagagac ctggactgaa ttttctgagt ctgaaataaa agatgcagag 1500
ctatcatctc ttaaaaggag gggctgtagc tgtagctcaa cagrtaggcc ccacttgaag 1560
ggagaggcag aattgtactc acccagattg gaaaatgaaa gccagatggg tagagggtgc 1620
ctcagttagc acctgtccca tctcggggcc tccaactcct ccagtccca ctcca 1675

```

&lt;210&gt; 77

&lt;211&gt; 1319

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte clone 1852290CB1

&lt;400&gt; 77

```

gaaaggaggt gtgtatccag cttggggctc cagttttctg cccgcctcct tttacgttat 60
tgcggaggac ggcgccggac agtcaacgtc atctaggagc accgagcagc ttggctaaaa 120
gtaagggtgt cgtgctgatg gccctgtgcg cactgaccgg cgctctgcgc tctctgaacc 180
tggcgcccc caccgtcgcc gccctgccc cgagtctgtt ccccgccgcc cagatgatga 240
acaatggcct cctccaacag cctctgcct tgatgttgct cccctgccgc ccagtctta 300
cttctgtggc ccttaatgcc aactttgtgt cctggaagag tegtaccaag tacaccatta 360
caccagtga gtagggaag tctgggggcc gagaccacac aggcggaatc cgggtgcatg 420
gtattggcgg gggccacaag caacgttatc gaatgattga ctttctgcgt ttccggcctg 480
aggagaccaa gtcaggacc tttgaggaga aggttatcca agtccgctat gatccctgta 540
gtcagcaga catagctctg gttgctgggg gcagccggaa acgctggatc atcgccacag 600
aaaacatgca ggctggagat acaatcttga actctaacca cataggccga atggcagttg 660
ctgctcggga aggggatgcg catcctcttg gggctctgcc tgtggggacc ctcatcaaca 720
acgtggaaa gtagccaggc cggggtgccc aatatatccg agctgcaggg acgtgtgggt 780
tgctactgcg gaaggtgaat ggcacagcca ttatccagct gccctctaag aggcagatgc 840
aggctctgga aacgtgcgta gcaacagtag gccgagtatc caacgttgat cataacaaac 900
gggtcattgg caaggcaggt cgcaaccgct ggctgggcaa gaggcctaac agtgggcggg 960
ggcaccgcaa ggggggctgg gctggccgaa agattcggcc actaccccc atgaagagt 1020
acgtgaagct gccttctgct tctgccccaa gctgatatcc ctgtactcta ataaaatgcc 1080
cccccccccg ttttaatctg attggncaaa angccccttt tattcccaaa aaatggnccc 1140
cccttaaaa gaggggaaaa tttnncahng ntntttttta ngggggnaa nnggnaattg 1200
nnaggggggt ccacnaaaaa gggggggaat tttttgggga atggaaannt ttccccgnnc 1260
tggggaaaaa ccccccccg ggttttttta aggttnnca aggaaaatnn nccttttggg 1319

```

&lt;210&gt; 78

&lt;211&gt; 1113

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte clone 1944530CB1

&lt;400&gt; 78

```

gtcaccgcga ggtctgagct gtgggctgag gcagcgcacc gcctgccgca ggggtgcgcga 60
tgccttgaac ctgggaaact atgtgaagca acactctgga ttttgaaga catcttttca 120

```

|             |            |            |             |            |             |      |
|-------------|------------|------------|-------------|------------|-------------|------|
| tcatggggaca | gcaaatttcg | gatcagacac | agttgggttat | taacaagtta | ccagaaaaag  | 180  |
| tagcaaaaca  | tgttacgttg | gttcgagaga | gtggctcctt  | aacttatgaa | gaatttctcg  | 240  |
| ggagagtagc  | tgagcttaat | gatgtaacgg | ctaaagtggc  | ttctggccag | gaaaaacatc  | 300  |
| ttctctttga  | ggtacaacct | gggtctgatt | cctctgcttt  | ttggaaagtg | gttgtagcggg | 360  |
| tggctctgtac | caagattaac | aaaagcagtg | gcattgtgga  | ggcatcacgg | atcatgaatt  | 420  |
| tataccagtt  | tattcaactt | tataaagata | tcacaagtca  | agcagcagga | gtattggcac  | 480  |
| agagctccac  | ctctgaagaa | cctgatgaaa | actcaccctc  | tgtaacatct | tgtcaggcta  | 540  |
| gtctttggat  | gggaagggtg | aagcagctga | ccgatgagga  | ggagtgttgt | atctgtatgg  | 600  |
| atgggcgggc  | tgacctcatc | ctgccttgtg | ctcacagctt  | ttgtcagaag | tgtattgata  | 660  |
| aattggagtga | tcgacacagg | aattgcccta | tttgtgcctt  | acagatgact | ggagcaaatg  | 720  |
| aatcttgggt  | ggtatcagat | gcacccactg | aagatgatat  | ggctaactat | attcttaaca  | 780  |
| tggctgatga  | ggcaggccag | ccccacaggc | catgaccttg  | aagtgaaggt | cttctgttgc  | 840  |
| tattgtgggc  | tcaaatattt | ggtcatgggg | gaagaatgta  | gggttgtggc | actggcacag  | 900  |
| acacaggaaa  | atccattttc | cccactcttt | tatttttgct  | attctgatca | tttgtccccc  | 960  |
| ttttaaaaaat | aaacttccca | tgtcttccat | ttgtgtgact  | aaaatttgct | actgttttag  | 1020 |
| accatatttt  | ccattattta | tcgttcaaat | ttgtatnatt  | acaactaata | gccttgaatt  | 1080 |
| ctttgctaaa  | ggtaacagca | acacttccag | agg         |            |             | 1113 |

&lt;210&gt; 79

&lt;211&gt; 1963

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte clone 2019742CB1

&lt;400&gt; 79

|             |             |            |             |             |             |      |
|-------------|-------------|------------|-------------|-------------|-------------|------|
| ggttgaggct  | gggcggccca  | aggtggaagg | aggggcccgtg | aggtgagaga  | gtccggggagc | 60   |
| ccgagcttga  | gatggcctga  | tatgaaggag | tcacgcctcc  | cgccctcccgg | agctgcccag  | 120  |
| tggctgcctt  | gtccttcaag  | tgacggagct | ggttcaaatg  | tcaggaatgg  | aagccactgt  | 180  |
| gaccatccca  | atctggcaaa  | acaagccaca | tggggctgct  | cgaagtgtag  | taagaagaat  | 240  |
| tgggaccaac  | ctacccttga  | agccgtgtgc | ccgggcgtcc  | tttgagaccc  | tgcccaacat  | 300  |
| ctctgacctg  | tgtttgagag  | atgtgcccc  | agtccctacc  | ctggctgaca  | tcgcctggat  | 360  |
| tgtctgaggat | gaagaggaga  | catatgcccc | ggtcaggagt  | gatacgcgcc  | ccctgaggca  | 420  |
| cacctggaaa  | cccagccctc  | tgattgtcat | gcagcgcgat  | gcctctgttc  | ccaacctgcg  | 480  |
| tgggtccgag  | gagaggcttc  | tggccctgaa | gaagccagct  | ctgccagccc  | taagccgcac  | 540  |
| tactgagctg  | caggacgagc  | tgagccactt | gcgcagccag  | attgcaaaga  | tagtggcagc  | 600  |
| tgatgcagct  | tcggcttcat  | taacgccaga | tttcttatct  | ccaggaagtt  | caaagtgtct  | 660  |
| ttctccctta  | ccttggtttt  | gatcctcatt | ccactctaca  | acttcctttg  | tcattagtga  | 720  |
| catcacccag  | gagacagagg  | tggaggctcc | tgagcttcca  | tcagtccccc  | tgttttgttc  | 780  |
| tgccagccct  | gaatgttgca  | aaccagaaca | caaatgtgcc  | tgagtttctg  | ctgaagagga  | 840  |
| tgactggctc  | tctttgtcca  | aggccagcag | ctttgcagac  | atgatgggtg  | tcctgaagga  | 900  |
| ctttcacccga | atgaaacaga  | gtcaagatct | gaaccggagt  | ttattgaagg  | aggaagaccc  | 960  |
| tgtctgtgct  | atctctgagg  | tcctaaggag | gaagtttgct  | ctaaaggaag  | aagatatcag  | 1020 |
| tagaaaagga  | aattgacaac  | cctcagctct | gcaaactcag  | tctcatgctc  | ctggaatacc  | 1080 |
| ttcaatagct  | gccttctctc  | ccgcagatgt | ttctgcctct  | taaggataga  | tcttctgcaa  | 1140 |
| cagtccttgc  | gacaagctag  | agcttggaag | gaaagagaag  | agctggatta  | tatatctccc  | 1200 |
| agacttcaaa  | ccctagcaga  | agctaaggct | tgtgatttga  | cctgagacat  | ttgtttcagg  | 1260 |
| taatctgtga  | gaatgaagta  | tcttagttta | aagggttaaga | gagaagttgt  | ttctggtttt  | 1320 |
| tccttgcccc  | tgtgtgaaaa  | taggtcctaa | atgactgact  | tcactgcatt  | agacctata   | 1380 |
| gctggctcca  | caagacactt  | tgtgcccagc | tgtcactcac  | tctcagcagc  | ttccttgagc  | 1440 |
| cagagcaggg  | ctgaggggaa  | ggggctatga | atggttgat   | acatgttcac  | agggcacagg  | 1500 |
| aaatcttatg  | ctgctccgtc  | ataaacctac | accaatgcc   | agcaatcacc  | ctcctcactt  | 1560 |
| ccttgctctag | atgtagagggt | caggctgctg | aaccagggct  | cacatgggct  | actgctggga  | 1620 |
| agcctgggct  | gttttttttc  | ttaaacacat | tttatattac  | tgaacaacca  | aatctaccct  | 1680 |
| ccacggccct  | gaggccttat  | cagttccact | gattaaaaac  | tttctcttcc  | acggacttta  | 1740 |
| agcccggtag  | gaaagagaga  | ggaggagggg | gaaagagcaa  | accatctttc  | ttccaggccc  | 1800 |
| ttgactgctc  | ctttgggctg  | ggccaagggt | tgtatgtacc  | acaccatgca  | tgactcagat  | 1860 |
| gccctcagg   | ccctttctct  | atggtatgta | tactgcttgt  | gtttgggttg  | aagcactacc  | 1920 |
| tgacattaaa  | ggaaggactt  | ggagagagaa | tgcataaaaa  | aaa         |             | 1963 |

<210> 80  
 <211> 1089  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte clone 2056042CB1

<400> 80  
 agccgcggct ccggaagacc ctctgcctgg gcggcgggtg tgcggcggtc gccgttatgg 60  
 ccactgggct gggcggtga ccgccgggct aggaaagggc ccaggggccc gaatctcggg 120  
 ggccgctgct ccagcgcggc ctgcgccatg gcctcctccg ccgcctcctc ggagcatttc 180  
 gagaagctgc acgagatctt ccgcggcctc catgaagacc tacaaggggt gcccgagcgg 240  
 ctgctgggga cggcggggac cgaagaaaag aagaaattga tcagggattt tgatgaaaag 300  
 caacaggaag caaatgaaac gctggcagag atggaggagg agctacgtta tgcacccctg 360  
 tctttccgaa accccatgat gtctaagctt cgaaactacc ggaaggacct tgctaaactc 420  
 catcgggagg tgagaagcac acctttgaca gccacacctg gaggccgagg agacatgaaa 480  
 tatggcatat atgctgtaga gaatgagcat atgaatcggc tacagtctca aagggcaatg 540  
 cttctgcagg gcactgaaag cctgaaccgg gccacccaaa gtattgaacg ttctcatcgg 600  
 attgccacag agactgacca gattggctca gaaatcatag aagagctggg ggaacaacga 660  
 gaccagttag aacgtaccaa gagtagactg gtaaacacaa gtgaaaactt gagcaaaagt 720  
 cggaagattc tccgttcaat gtccagaaaa gtgacaacca acaagctgct gctttccatt 780  
 atcatcttac tggagctcgc catcctggga ggccctggtt actacaaatt ctttcgcagc 840  
 cattgaactt ctatagggaa gggtttggg accagaactt tgaccttggg aatgcatgat 900  
 gttagggatg tggatagaat aagcatattg ctgctgtggg ctgacagtcc aaggatgcac 960  
 tgtatagcca ggctgtggga ggaggaggga aagatgaaaa accacttaaa tgtgaaggaa 1020  
 caacagcaac aagaccagta tgatatacca aggtataaaa tgctgtttat gacttcttta 1080  
 aaaaaaaaaa 1089

<210> 81  
 <211> 1325  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte clone 2398682CB1

<400> 81  
 gcggagtctt gctgctccgg ggtagcagg tgagcctgca atgcgcggga agacgttccg 60  
 ctttgaaatg cagcgggatt tggtagattt cccgctgtct ccagcggtgc ggggtgaagct 120  
 ggtgtctcgc gggttccaga ctgctgagga actcctagag gtgaaacctt ccgagcttag 180  
 caaagaagtt gggatatcta aagcagaagc cttagaaact ctgcaaatta tcagaagaga 240  
 atgtctcaca aataaaccaa gatatgctgg tacatctgag tcacacaaga agtgtacagc 300  
 actggaactt cttgagcagg agcataccct gggcttcata atcaccttcc gttcagcact 360  
 agatgatatt cttgggggtg gagtgcctt aatgaaaaca acagaaattt gtggtgcacc 420  
 aggtgttggg aaaacacaat tatgtatgca gttggcagta gatgtgcaga taccagaatg 480  
 ttttgaggga gtggcagggt aagcagtttt tattgataca gaggggaagt ttatggttga 540  
 tagagtggta gaccttgcta ctgcctgcat tcagcacctt cagcttatag cagaaaaaca 600  
 caaggagag gaacaccgaa aagcttttgg ggatttcact cttgataata ttctttctca 660  
 tatttattat ttctgctgtc gtgactacac agagttactg gcacaagttt atcttcttcc 720  
 agatttcctt tcagaacact caaaggttcg actagtata gtggatggta ttgcttttcc 780  
 atttctgcat gacctagatg acctgtctct tcgtactcgg ttattaaatg gcctagccca 840  
 gcaaattgat agccttgcaa ataattcacag attagctgta attttaacca atcagatgac 900  
 aacaaagatt gatagaaatc aggccttgct tgttctctgca ttagggggaaa gttggggaca 960  
 tgctgctaca atacggctaa tctttcattg ggaccgaaaag caaagggttg caacattgta 1020  
 caagtacccc agccagaagg aatgcacagt actgtttcaa atcaaacctc agggatttag 1080  
 agatactgtt gttactctg catgttcatt gccaacagaa ggttccttga gcacccggaa 1140  
 acggtcacga gacccagagg aagaattata accagaaaac gtgtacaaat gtgtacaaat 1200  
 ttattgatgt tgtgaaatca atgtgtacaa gtggacttgt taccttaaaag tataaataaa 1260  
 cacactatgg catgaatgan aannnaannn naannnaann aaaaanaaan annnagnann 1320  
 cnagc 1325



<210> 82  
 <211> 1579  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte clone 2518753CB1

<400> 82  
 tgcttcatgg atactgggtcc tatcatgctc tttgaggcta ttgaactcat caatacagca 60  
 aagggcccgca tctgcaagaa ctaatgcccc agcctccaaa ttccattctc ctgagtcctt 120  
 tacagcagtt accgtcagac tttgttctcc gcctttgtcc taatccacac cagcaggtgg 180  
 agccgcagtt aaagtttccg agtccattcc gggagcggga gcccatcttg ctggctgccg 240  
 agggcctcgc tggaggagga gggtcagaac tcgggtgcag ccaatcgagg gcaacgctgc 300  
 tacttatcag agcagaatgg gctgtagttt agtgaaatag gaaagctgca aaacactgtg 360  
 gagtgtctcc gtgtaaataa aaagaggaaa aaagtttctc aagtcgccgc tgcacgacgt 420  
 ctggccggcg ctggagcggg ggtctgcgct ctcccagcgc gccgcgcgct ggactttatt 480  
 gtgccgcaac cagccccagt toccattggt tgtgtttttt tcaaaatatg gcaaagggtc 540  
 aggtgaacaa tgtagtgggt ctggataacc cttctccttt ctacaaccgc ttccagttcg 600  
 agatcacctt cgagtgcacg gaggacctgt ctgaagactt ggaatggaaa attatctatg 660  
 tgggctctgc agaaagtga gaatacgcac aagttttaga ctctgtttta gtgggtcctg 720  
 ttcccgcagg aaggcatatg tttgtatttc aggctgatgc acctaatcca ggactcattc 780  
 cagatgcaga tgcagtaggc gtaactgttg tgctaattac ttgtacctat cgaggacaag 840  
 aatttattag agttggctat tatgtaaaata atgaatatac tgagacagaa ttaagggaag 900  
 atccaccagt aaaaccagac ttttctaagc ttcaaaggaa tattttggca tctaattcca 960  
 gggtcacaag attccacatt aattgggaag ataacacaga aaaactggaa gatgcagaga 1020  
 gcagtaatcc aaatctacag tcacttcttt caacagatgc attaccttca gcatcaaagg 1080  
 gatggctcac atcagaaaaac tcactaaatg tcatgttaga atcccacatg gactgcatgt 1140  
 gaccacctac catcccttta gtacaaatta agctatttaa aatacacaga actatttccc 1200  
 tgaaattccg taagtacata gtcaaaacac aatgtgaaga atttgtttaa aaacatcctg 1260  
 tagaaagttt ataagaaaac cagtatttga acaaatgttg gaatataaat acaactattt 1320  
 ttaagtaatt tttttctcta attcanntag ngagngngtt cnctagangt ggantaaatt 1380  
 nnaagggggc gggnnccnc cagagggggg tccaangtct tcnhngaag gggngggcan 1440  
 tggcngngnt ccangaggtn cctttngntt gggggggnan nccnttngg tttgcnnnnn 1500  
 ntcnncggg gccgggtcgg tttntaancn cgngganntt tggcntgggg ggaaccccc 1560  
 cngggggggt nccccctt 1579

<210> 83  
 <211> 2641  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte clone 2709055CB1

<400> 83  
 ttcctttggg acatctgctg tgacacctgc acatacctct cagagccaca tatcctcgca 60  
 cagatttcgc acttccaaat caggaggcaa agaaagagaa gaaagatcca acaggtcgaa 120  
 aaacaaaact ggattttcag caatatgtat ttattaattc aaatgtgtta ccactctggc 180  
 cttccgtggg attctaagta ctttccatac ctagctctta tacatactat tattctcatg 240  
 gccagtagca acttttgggt caaatatccc aaaacatgct caaaaagtaga acattctgtt 300  
 tcaatattag gaaagtgtt tgaatcccc tggacgacaa aagcgttgtc tgagacagca 360  
 tgcgaagact cagaggaaaa caagcagaga ataacagggt cccagactct accaaagcat 420  
 gtttctacca gcagtgtatg agggagcccc agtgccagta caccaatgat caataaaact 480  
 ggctttaaat tttcagctga gaagcctgtg attgaagttc ccagcatgac aatcctggat 540  
 aaaaaggatg gaaagccctg caaagccctg tttgagaaag tgagggaagt ccgtgcccat 600  
 gtggaagata gtgacttgat ctataaaact tatgtggtcc aaacagttat caaaacagcc 660  
 aagttcattt ttattctctg ctatacagcg aactttgtca acgcaatcag ctttgaacac 720  
 gtctgcaagc ccaaagttga gcatctgatt gggtatgagg tatttgagtg caccacaat 780  
 atggcctaca tgttgaaaaa gcttctcatc agttacatat ccattatttg tgtttatggc 840

```

tttatctgcc tctacactct cttctgggta ttcaggatac ctttgaagga atattctttc 900
gaaaaagtcg gagaagagag cagtttttagt gacattccag atgtcaaaaa cgattttgctg 960
ttctttcttc acatggtaga ccagtatgac cagctatatt ccaagcgttt tgggtgtgtc 1020
ttgtcagaag ttagtgaaaa taaacttagg gaaattagtt tgaacctatga gtggacattt 1080
gaaaaactca ggcagcacat ttcacgcaac gccagggaca agcaggagtt gcatctgttc 1140
atgctgtcgg ggggtgcccg tgcgtgtctt gacctcacag acctggatgt gctaaagctt 1200
gaactaattc cagaagctaa aattcctgct aagatttctc aaatgactaa cctccaagag 1260
ctccacctct gccactgcc tgcataaagt gaagttcact gatgtggctg aaattcctgc ctgggtgtat 1380
cacttgagat gccttcacgt gttgtactta ataggcaatt tgaactctga aaacaataag 1440
ttgctcaaaa accttcgaga gttgtactta cggagagttg cggcacctta agattctcca cgtgaagagc 1500
atgataggac ttgaatctct ccgagagttg gatgtggctc cacatcttac aaagttagtc 1560
aatttgacca aagttccctc caacattaca gatgtggctc ttaagaaaat gatgaatgtc 1620
attcataatg acggcactaa actcttggtg ctgaacagcc ccatgctat tttcagcctc 1680
gctgagctgg aactccagaa ctgtgagcta aataacattc gcacaattga ggaaatcatc 1740
tctaatttac aggaactgga tttaaagtcc ttaaaattat ggcataacaa aattgttact 1800
agtttcacagc atttaaaacg actgacttgt tttatttctc tttatttctc taacaacaag 1860
attcctccct ctattaccca tgtcaaaaac ttggagtcac ttcagatgctt agatgtgagc 1920
ctcgaatcct taccagtggc agtatttagt ttacagaaac ttcagaacct gcagcatttg 1980
tacaacaaca tttcaatgat tccaatagaa ataggattgc tttttaaagt cataaagttg 2040
catacactg ggaacaaaag ggacattctg acctcactcc cagagaaaag tggtcagctc 2100
aggactttga atctgggaca gaactgcctc acctcactcc accgcctgcc agcccagctg 2160
tcccagctca ctacagctga gctgaagggg aactgcttgg aagatcacct ttttgatacc 2220
ggccagtgct ggatgctcaa gaaagcggg cttgttggg caagacataa atattccctt tgcataatgg 2280
ctgcccactg aagtcaaaga ggcattgaat tgtgcaggaa caacttccta gattgcaagt 2340
atttaacta agataatata tgcacagtga attttaggag tagatacatc ttttaaaata 2400
gctcacgtac aagttattac aagataatgc aagacataac tgaatgttca atgtttgtag 2460
aaacagagag gatgcataga aggtgatag aagacataac tttggggaaa gggaaggaaa 2520
ggttttaaag cattcatttc caaatcattt tttttttct tttggggaaa ctgccgctac 2580
aattataatc actaatcttg gttcttttta aattgtttgt aaattgacat tttcttacta 2640
tgaatgttta caaatgctt gcctgctaaa gtaaatgatt aaattgacat tttcttacta 2641
t

```

&lt;210&gt; 84

&lt;211&gt; 3963

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte clone 2724537CB1

&lt;400&gt; 84

```

gctcaggggt gagagtcgca cggcagcggg gaaggtgtga gtcgtgaacg gcccggtctt 60
ccgccatggc ctctctactc gccaaaggac cctacctgca gagcctggcc aagaagatct 120
gctcccattc ggccccggaa cagcagggcg gcacgcgggc tggcaaaact caaggctcag 180
aaactgcagg gcccccaaaa aagaaaagga agaaaacaca aaagaaattc cgggaagcag 240
aagagaaggc tgcctgagcac aaggccaagt ccttggggga gaaatctcca gcagcctctg 300
gggccaggag gcctgaggca gccaaagagg aagcagcttg ggcttccagc tcagcaggga 360
acctgcgaga tggcctggcc actgagcctg agtctgtctt tgctctggat gttctgcgac 420
agcgactgca tgagaagatc caggagggcc ggggccaggg cagtgccaaag gagctgtccc 480
ctgccgcctt ggagaaaagg cggcggagaa agcaggaacg ggaccggaag aagaggaaagc 540
gaaaggagct gcgggcgaaa gagaaggcca ggaaggctga ggaggccacg gagggccagg 600
aggtgggtgga ggcaacccca gagggggcct gcacggagcc gcgggagccg cccgggctga 660
tcttcaataa ggtggagggt agcgaagacg agcgggccag caaggcgagc cgagaaaag 720
agaagaggca gaggtgaaag gggaacctca cgccgctgac cgggagggaac taccggcagc 780
tgctggagcg cctgcaggca cggcagagcc ggctggacga gctgcgcggc caggatgagg 840
ggaaggcgca ggagctggag gcgaagatga agtgaccac cctcctctac aaggcgagg 900
gcgtcaagat ccgtgacgac gaacgcctgc tgcaggaggc cctgaagcgc aaggagaagc 960
gcaggcgca gcggcagcg cggtgggaga agcgcacggc cggcgtggtg gagaagatgc 1020
agcagcgcca ggaccggcg cggcagaacc tgcgcaggaa gaaggcggcc cgcgccgag 1080
gccgcctgct cagagcccgc aagaagggcc gcacccctgc gcaggacctg gagcgcgag 1140
gcctggtctg agtctttccc acctggggcc gccgtcttcc gtcctaggag actccaggac 1200
acctctgag tcttgacgc tggctctgtc ccaggatctc cacagacctc ggccctctca 1260

```

```

tgtgagcggg acacagtggg gctctgctga gttgtgaggg cccagatcac agatcccatg 1320
tgagaaagag agagtttcag cgtcatcctt gaacgcagga tccgggacct tcagaccag 1380
ggaaaggggtg agggagactg gggcctgggtc tgctttcccg ggcttgaaag ctcccccgag 1440
gtttgcaggg tcaggagagga ggaacgggtgg ggggtgggcag tcaactgcctg ttccccactg 1500
cctgtgttcg caggagccac gggacagaag acggtggcct ctgctgccgg ggccacgtta 1560
gtccgcagct caccgaaca gaggacaacc ctgaggtgtg gcatatgggc acctggcact 1620
gggagtcggg ggagcacgtc caggcgtggg gcattcctgg gcagaacgcc atggctcctc 1680
cccgtctctt tggcttctgc ctgttggggg ctcattcctt tctgttcccc agtgccccgg 1740
ggcggcattt tactgtcag aatttggagg gaggagcag taccttcccc gagtccacgc 1800
atgtgagttg ggtcaagtgc attggacctt gggaaagaga aagaaagaat aaaagctgga 1860
gagagagtga agtgaatgca agatacaaa tgggatggaa gaattaaatc cagagttcca 1920
ggcaatcaaa atgagtgcag gttgaaagaa aacaggtgaa ttttagtggc atatggatga 1980
taaagctgta aataaaattc ttttgatgaa actctccggg tacgagacaa agactgraac 2040
tgaacaggag ctggtgtgac tgttaccaga cagaggcaac tgatgaaaaa gccctgtgaa 2100
agataggatg tgaggtgagc atgagcttga gctgagagac agacacaaca gtatctgaaa 2160
agaatacata ctctttccat gcataatagg aacatggatg gaaactgacc acctactttg 2220
tccagaaaaa nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 2280
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnaacata gccctaaat gtatgtgcat 2340
ctacagataa atagtgccat ttatacacac atacgtgtga tgtctgtatt tttaaagcta 2400
aagaaaaata agcatgcagc ttaagtggg acaactcaaa gtaaatggaa gaaaaatctc 2460
caaaactgac taaaagtaat agaaagcctg agttgtaatc actgatgaaa ttgagtcagt 2520
agttaagaat gttcccctag acggttttac agggaggttc cagcatatag agaacaggta 2580
attccagacg tagacaaatt ctaacagaat caattgagag aacacttcat tcgtgaactt 2640
agctttgata ccaaaactag gtaagagaaa ggaaggttac caaataacct tgggcggcaa 2700
gccaccagg caccgaggca agagacagag gacacgagct gttccagta aataaaatat 2760
aaaacaagaa agatataatg agatataatg attatatatg aatatcata 2820
atcattagtt tgtagcaatt actctttatt ccaatattat aataatcctc actctacaat 2880
cataacctag gaaaaaccag gccatacaga gataggagct gaggggacat agtgagggtg 2940
gaccagaaga caagagtgcg agccttctgt tatgcccgga cagggccacc agagggctcc 3000
ttggtctagc ggtgacgcca gcattctggg agacacctgt tgccaagccc accgtggctc 3060
agctgtagcg ttagtgtcaa ggaaaaacac ccgctactta gcagaccagg aaagggugtg 3120
tacagtgaga tcaggatgag ggtggtgagg tggtgatcag ggggacccat gcttctgctc 3180
agggggttg cagaagccag caaggcttgg ggtttccctt gtttgagcgg ctccaagttg 3240
agagtgcaga ggagtgtgag atgctgttga aaatgcaaac ttggctctcc ctggctggag 3300
gctggcattg ggtgagtctc tggtaggacc aggccatgta tactttttta gcttttttat 3360
tcttgaaaaa ttcaaagata tacaagata gactatgcag gataatgagc cccacatac 3420
tccgcatctc ttgtctgtaa ttatcagctc gtggctacct ctacctctcc ccttaacctc 3480
ttgtctcatc tctacctctc cccctgacct ctgctctgg gtcattttgc agcaaatccc 3540
aatgcctat atcatttatc ctaaatatc cataaacatt ccactatgta gctctgaaag 3600
ataaggacgc ttacaacaca actgcaatat ctttttgggn nnnnnnnnnn nnnnnnnnnn 3660
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 3720
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 3780
nnnnnnnnnn cacccttta caaaattaat aattccaatc atctatagt tgatcagtg 3840
tcaaatctcc aattgcctca taaaaggat attttctnaa cattnngtr gtcgcaatng 3900
gttgcnngta agtcacctaa atatcttctc ttttgtataa ctttttagtg cngtaaaata 3960
ggt 3963

```

&lt;210&gt; 85

&lt;211&gt; 1093

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte clone 025818CB1

&lt;400&gt; 85

```

tggtgctgat aacagcggaa tccccgtct acctctctcc ttggtcctgg aacagcgtta 60
ctgatccaca agtagccaca aaatataata aaccctcagc acttgctcag tagttttgtg 120
aaagtctcaa gtaaaagaga cacaaacaaa aaattctttt tcgtgaagaa ctccaaaaat 180
aaaattctct agagataaaa aaaaaaaaaa aaaaaaggaa aatgccagct gatataatgg 240
agaaaaattc ctgctccccg gtggctgcta cccagccag tgtcaacacg acaccggata 300
aaccaaagac agcatctgag cacagaaagt catcaaagcc tattatggag aaaagacgaa 360

```

```

gagcaagaat aaatgaaagt ctgagccagc tgaaaaacact gatTTTggat gctctgaaga 420
aagatagctc gcggcattcc aagctggaga aggcggacat tctggaaatg acagtgaagc 480
acctccggaa cctgcagcgg gcgcagatga cggctgcgct gagcacagac ccaagtgtgc 540
tggggaagta ccgagccggc ttcagcgagt gcatgaacga ggtgacccgc ttcctgtcat 600
ccccgtctac accagcaaca gcggcacctc cgtgggcccc aacgcagtgt caccttccag 660
cggccccctc cttacggcgg actccatgtg gagggcgtgg cggaaactgag ggggctcagg 720
ccacccctcc tcctaaactc cccaaccac ctctcttccc tccggactct aaacaggaac 780
ttgaatactg ggagagaaga ggactTTTTT gattaagtgg ttactttgtg ttttttaatt 840
ttctaagaag ttactTTTTT tagagagagc tgtattaagt gactgaccat gcactatatt 900
tgtatatatt ttatatgttc atattggatt gcgcctttgt attataaaaag ctcatatgac 960
atttcgtttt ttacacgaga tttctTTTTT atgtgatgcc aaagatgttt gaaaatgctc 1020
ttaaaatatt ttcctttggg gaagttttatt tgagaaaata taataaaaga aaaaagtaaa 1080
ggcaaaaaaa aaa                                     1093

```

&lt;210&gt; 86

&lt;211&gt; 2077

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte clone 438283CB1

&lt;400&gt; 86

```

atggcgtgga ctgaaagtgt cacggcggcg tgtgcgtttc ctagtgtgtc ggtgctgcta 60
tatagggggc gtgggggtccc cacagacctg caggttccgg cccctctttt ctcaaccacag 120
agcaaatgaa aacgtccggg atttccaaag actcatgtta cgtgaggaag ccaccaagaa 180
gagcaaaagaa aaggagccag ggatggctct tcctcaggga cgtttggctt tcagggatgt 240
ggctatagag ttctcttttg aggagtggaa atgcctgaac cctgcacaga gggctttata 300
cagggtctgt atgttgaga actacaggaa cctggagtgt gtggatagct ctttaaaatc 360
catgtgtggg ttctcatcaa ccaggcacag taatacagga gaagtgatcc acacagggag 420
gttgcaaaaga cataaaagtc atcacattgg agatttttgc tcccagaaa tgaagaaaaga 480
tattcatcac tttgagtttc agtggcaaga agttgaaaga aatggccatg aagcaccat 540
gacaaaaatc aaaaagtgtg ctggtagtac agaccgaagt gatcacaggc atgtggaaa 600
caagcctatt aaagatcagc ttggattaag ctctcattcg catctgcctg aactccacat 660
gtttcagact aaagggaaaa tttagcaacca attggacaag tctatcagtg gtgcttcttc 720
agcttcagaa tcccaaagaa tttctttagt gctcaaaact catatttcta ataagtatgg 780
gaagaatttc ctccattctt cattcacaca aatacaggaa atatgcatga gagaaaaacc 840
ttgccaagt aatgagtgtg gcaaagcctt taattatagc tcaactctaa ggagacacca 900
cataacccat tcaagagaga gagaatataa atgtgatgta tgtggcaaga tctttaatca 960
gaagcaatac attgtatatc atcacagatg tcacactggg gagaaaactt acaagtgtaa 1020
tgagtgtgtg aagaccttca ctcatgtgtc atcccttgta tgccatcgta gacttcatac 1080
tggagagaaa ccttacaagt gtaatgagtg tggcaagacc ttcagtgaga agtcatccct 1140
tagatgccat cgtagacttc atactggaga gaaaccttac aagtgtaatg agtgtggcaa 1200
gacttttggg cgaaattcag cccttgtaat tcataaggca attcatactg gagagaaacc 1260
ttacaagtgt aatgagtgtg gcaagacctt cagtcagaaa tcatcccttc aatgccatca 1320
tatacttcac actggagaga aaccttacaa atgtgaagaa tgtgacaatg tttacattcg 1380
cagatcacac cttgaaaagac ataggaatat tcatactgga gagggatcat acaaattgaa 1440
ggtttgtgac aaggctttcc ggagtgtatt atgccttgca aaccatacga gagttcatac 1500
tggagagaaa ccttacaagt gtaataaatg tgcgaagggt tttaatcaaa aaggaatcct 1560
tgcacaacat cagagagtgc atactggaga gaaaccttac aagtgtaatg aatgtggcaa 1620
ggtttttaat caaaaagcaa gccttgcaaa acatcagaga gttcatactg cagagaaacc 1680
ttacaagtgt aatgagtgtg gcaaagcctt tactggacag tcaacactta ttcaccatca 1740
agcaatccat ggggtgtagg aaactttaca aatgtaatga ttgtcacaaa gtcctcagta 1800
atgctacaac cattgcaaat cattacagaa tccatattga agagagatct caaagtgtaa 1860
taaagtggc aaatttttca gacgtcattc ataacttgta gttcctcagt gaactcatac 1920
tggagagaaa ccttacaagt atcatgactg tgacaagggt ttcagtcaag cttcatccta 1980
tgcaaaacat agaatgtcta caggagagaa acctcacaag tgtgatgatt gtgggcaagc 2040
tttacttcac gttcacaccg tcttagacat cagagaa                                     2077

```

&lt;210&gt; 87

&lt;211&gt; 2358

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte clone 619699CB1

&lt;400&gt; 87

```

ggactttact ggacccaact cagagaaacc tctacagaga tgtgatgctg gagaactaca 60
agaatttggc cacagtagga tatcagctct tcaaaccagc tctgatctct tggctggaac 120
aagaagagtc taggacagtg cagagaggtg atttccaagc ttcagaatgg aaagtgaac 180
ttaaaccacaa agagttagcc cttcagcagg atgttttggg ggagccaacc tccagtggga 240
ttcaaatgat aggaagccac aacggagggg aggtcagtga tgtaagcaa tgtggagatg 300
tctccagtga acactcatgc cttaaagacac atgtgagaac tcaaaatagt gagaacacat 360
ttgagtgtta tctgtatgga gtagacttcc ttactctgca caagaaaacc tctactggag 420
agcaacgttc tgtatttagt cagtgtggaa aagccttcag cctgaaccca gatgtgttt 480
gccagagaac gtgcacagga gagaaagctt ttgattgcag tgactctggg aaatccttca 540
ttaatcattc acaccttcag ggacatttaa gaactcacaa tggagaaagt ctccatgaat 600
ggaaggaaatg tgggagaggc tttatttcaat ccacagacct tgctgtgcgt atacaaactc 660
acaggtcaga aaaaccctac aaatgtaagg aatgtggaaa aggatttaga tattctgcat 720
accttaatat tcacatggga acccacatcg gagacaatcc ctatgagtgt aaggagtgtg 780
ggaaagcctt caccaggtct tgtcaactta ctcagcacag aaaaactcac actggagaga 840
aaccttataa atgtaaggat tgtgggagag ccttcactgt ttctcttgc ttaagtcaac 900
atatgaaaat ccatgtgggt gagaagcctt atgaatgcaa ggaatgtggg atagccttca 960
ctagatcttc tcaacttact gaacatttaa aaactcacac tgcaaaggat ccctttgaat 1020
gtaaggatg tggaaaatcc tttagaaatt cctcatgcct cagtgatcac ttctgaattc 1080
acactggaat aaaaccctat aaatgtaagg attgtgggaa agccttcact cagaactcag 1140
accttactaa gcatgcacga actcacagtg gagagaggcc ctatgaatgt aaggaaatgtg 1200
gaaaggcctt tgccagatcc tctcgcctta gtgaacatac aagaactcac actggagaga 1260
agccttttga atgtgtcaaa tgtgggaaaag ccttttgcct ttcttcaaat cttagtggac 1320
atgtgagaat tcacactgga gagaagcctt ttgagtgcct ggaatgtggt aaagcattta 1380
cgcatctctc cagtcttaat aatcacatgc ggaccacag cgccaaaaaa ccattcacgt 1440
gtatggaatg tggcaaagcc tttaaagttc ccacgtgtgt taaccttcac atgcggatcc 1500
acactggaga aaaaccctac aaatgtaaac agtgtgggaa atccttcagt tactccaatt 1560
cgtttcagtt acatgaacga actcacactg gagagaaaacc ctatgaatgt aaggagtgcg 1620
ggaaagcctt cagtctctcc agttcctttc gaaatcatga aagaaggcat gcggatgaga 1680
gactgtcagc ataaggaaatg tgggaaaacc taaagggtgtc cctgttctct ctgaagacat 1740
gaaaactcac tggggagaaa ccctatgaat gtaaaaaatgt ggaagcaact ttgtatctca 1800
ggctttaatg aacacatatg aattcacagt ggagaagacc ctgcatcagg gaatgtggaa 1860
atgactttgc tgaattctca agccttacca aacacatcag aaatctcact ggagagaaac 1920
tgtatgaatg tagagaatct gggaatacct ttctgaatcc cacaacacct aatgtgtgta 1980
tgtgaactca cattggagag aaaccctgca attttaaattg tatgggtctgg atgatgcccc 2040
actccatatt tgtaaagcct aagtcctagt tctttacact ataactgtat ttggacatag 2100
ggttttcaaa cagggtgagta acttcaaatt aggttgtttg gttcgatccc taatctgaca 2160
tcaactggtgt ccctataagg gaaactgaag gaaggataca catggagaag actgtgtgga 2220
tccaccagaa gatggccatc tacaagccaa ggacagagac ctggaacaga tgctttcatc 2280
atggcctcca gaggaaccca accctgtctc caccttgata ttgcacttcc aggtctcaga 2340
actgtgaggc aataaata
2358

```

&lt;210&gt; 88

&lt;211&gt; 1978

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte clone 693452CB1

&lt;400&gt; 88

```

gcagcggctg ccacggagct cgtagctgca gctttggagg agtaagcggc gtggtagcga 60
aggctgccga accgcctgg ctagccggcg agttgagtg cgactctttt gaaacagatg 120
gtcaccatgt ttagatatta gcagtcccg atgtgcatgt ctgcatttga aaatggaaag 180
gggaacaac aatgaagagg taattcactt gaacaacttt cactgccatc ggggacaaga 240

```

```

ctttgtaatt ttcttctgga aaaccagat tatccaaaga gagaagacag aatcattata 300
aatcccagta gcagtctgct ggccagccaa gatgagacaa agttgcctaa aataagactt 360
ttttgactat tctaaattga ctctcttga ccagcactgc ttcattccaag ctgctgacct 420
cctcatggcc gacttcaaag tgctcagtag tcaggacatc aagtgggccc tgcacgagct 480
caaaggacac tatgcaatca cccgaaaggc cttgtctgat gccattaaaa aatggcagga 540
gctgtcacca gaaaccagtg gaaaaaggaa gaagagaaaa caaatgaacc agtattctta 600
cattgatttc aagtttgaac aaggtgacat aaaaaatagaa aagaggatgt tctttcttga 660
aaataagcga cgacattgta ggtcctatga ccgacgtgct ctcttccag ctgtgcaaca 720
agagcaggag ttctatgagc agaaaatcaa agagatggca gagcatgaag actttttgct 780
tgccctacag atgaatgaag aacagtatca aaaggatggc cagctgattg agtgtcgctg 840
ctgctatggg gaatttccat tcgaggagct gacgcagtgc gcagatgctc acttgttctg 900
caaagagtgt ctcatcagat atgcccaaga ggcagtcttt ggatctggaa agttggagct 960
cagctgcatg gaaggcagct gcacgtgttc gttcccaacc agtgagctgg agaagggtgct 1020
ccccagacc atcctgtata agtactatga gcgaaaagcc gaggaggagg ttgcccagc 1080
ctacgccgac gagcttgtca ggtgcccgct ctgtagcttt cggctctgt tggacagtga 1140
tgtgaagagg ttcagctgtc ctaatcctca ctgccgaaag gaaacctgta ggaagtgtca 1200
gggactctgg aaagaacata atggcctcac ctgtgaagag ctggctgaaa aagacgacat 1260
caagtaccgt acctctattg aagaaaaaat gactgctgcc cgcattagaa aatgccacaa 1320
gtgtgggact ggcctcatca aatctgaagg ctgcaaccgc atgtcttgcc gctgtgggtg 1380
ccagatgtgc tacctctgtc gagtttctat taatggatat gaccatttnt gccacaatc 1440
ccggttaaca ggggccccct tccagggagt gttcaagatg ctttctatgg acagactcca 1500
atgtaagtag acacatggct gcctatttct ttatagggag gaaataggaa tatattttaa 1560
tgcagatatt ttgataaacg aacataattg ccttgaggga gatatggaaa tcaaaggctt 1620
taaccaagga aaaatttgga acttattaca agtactccaa aggtggtaaa ggagaacgcc 1680
taacaagtta aaggaaaaatc cttaaatctc aaggaaaaaa ctttcgccct tgaiaacccg 1740
gggagaagag gggcttaaaa ggggtgtgaaa gcgaaaagg ggtccaaggg ggggggggtg 1800
gtatattatt tttgtttcta tgggcatgaa acatgggtaa atggaaaaat tgaactgggg 1860
acaacagggt tctaggaaat aggtggatat aggtgatggg atttaaggca tgggtggggag 1920
ttggagataa agctggagggt gaaagaaagg ttgggggggg ggggaggaag tgtttttt 1978

```

&lt;210&gt; 89

&lt;211&gt; 2084

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte clone 839651CB1

&lt;400&gt; 89

```

cgtggggggc cacagcctct ggtgcacatg gcttctctcc cggcgggtgga cgtgtcctgc 60
aggcgggcgg agaagcggcg gcagctggac gcgcgcgcga gcaagtgcgc catccgcctg 120
ggcgggccaca tggagcagtg gtgcctctc aaggagcggc tgggcttctc cctgcactcg 180
cagctcgcca agttcctgtt ggaccggtac acttcttcag gctgtgtcct ctgtgcagg 240
aggtagggga tggcaggggg tgagagccag agggaaagag gaccacaggg tgaccagaa 300
acaccctcct ttcaaaggga gccctgagta agtttgggaa cgggtggggg agttggggag 360
cacagggtag tttgatggag gcaacctctg ggtggggaag ggagcaatgt ctcaggatct 420
agtgtgtcta ggttctgaag aatgataaat tggactgggg ctgaggttgc cctgggggtt 480
gagggaaacag ggctccctgg gtatggctct ccagggttaag aggaggagac ttcccagttc 540
agcctgactg ctccccccac ccctccaggt cctgagcctt tgccctccaa aggtctgcag 600
tatctgggtg tcttgtctca tgcccacagc cgagagtgcg gcctgggtgc cgggcttcgg 660
gggcctggcg gccaaagtgg ggggcttgtg tgggagtgtc cagcaggcca taccttctcc 720
tggggaccct ctttgagccc tacaccttca gaggcaccca agccagcctc cttccacat 780
actactcgga gaagtgggtg ttccgaggcc acgagtggc aggagcttgc agattggaa 840
tctgagcatg atgagaggac tcaagaggcc aggttgccca gtagttagcc tgatgcccc 900
agactactgc ctccccctgt cacctgcaca cctaaagagg gggagacacc accagcccc 960
gcagcactct ccagtcctct tgctgtgccc gccttgtcag catcctcatt gagttccaga 1020
gctcctccac ctgcagaagt cagggtgcag ccacagctca gcaggacccc tcaagcggcc 1080
cagcagactg agggcctggc caggtaacct gatggctgag acagaaaggg caggggcgct 1140
ctgggatgtg gccctccctc gaggccctct gctccctctt tgctgcccg agcactggga 1200
gtcaggccca gtctgtctca accccggcct gggatgagga cactgcacaa attggcccc 1260
agagaattag gaaagctgcc aaaagagagc tgatgccttg tgacttccct ggctgtggaa 1320
ggatctctc caaccggcag tatttgaatc accacaaaaa gtaccagcac atccaccaga 1380

```

```

agtctttctc ctgcccagag ccagcctgtg ggaagtcttt caactttaag aaacacctga 1440
aggagcacat gaagctgcac agtgacaccc gggactacat ctgtgagttc tgcgcccggc 1500
ctttccgcac tagcagcaac cttgtcatcc acagacgtat ccacactgga gaaaaacccc 1560
tgcagtgatg gatatgcggg tttacctgcc gccagaaggc ttccttgaac tggcaccagc 1620
gcaagcatgc agagacgggtg gctgccttgc gcttccccctg tgaattctgc ggcaagcgct 1680
ttgagaagcc agacagtgtt gcagcccacc gtagcaaaaag tccccagacc ctgcttctag 1740
cccccaaga gtcacccagt ggtcccctag agccctgtcc cagcatctct gcccctgggc 1800
ctctgggac cagcgagggg tccaggccct ctgcatctcc tcaggctcca accctgcttc 1860
ctcagcaatg agctctcctc cagctttggc tttgggaagc cagactccag ggactgaaaa 1920
ggagcaacaa ggagaggggtc tgcttgagaa atgccagatg cttgggtcccc aggaactaag 1980
gcgacagagt gcaggggtggg ggcaagactg ggctgtaggg gagctggact acttttagctc 2040
tcctaaagga caaaaataaac agtatttttat gcaaaaaaaaa aaaa 2084

```

<210> 90  
 <211> 2024  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte clone 1253545CB1

```

<400> 90
tgaaattatt gctattaaca acaccaagtt ttcataatac gattcaaaaag agtgggagga 60
agccatggct aaggctcaag aaactggaca cctagtgatg gatgtgaggc gctatggaaa 120
ggctgggttca cctgaaacaa agtggattga tgcaacttct ggaatttaca actcagaaaa 180
atcttcaaat ctatctgtaa caactgattt ctccgaaagc cttcagagtt ctaatataga 240
atccaaagaa atcaatggaa ttcattgatg aagcaatgct tttgaatcaa aagcatctga 300
atccatttct ttgaaaaact taaaaaggcg atcacaattt tttgaacaag gaagctctga 360
ttcgggtggtt cctgatcttc cagttccaac catcagtgcc cagagtcgct gggtgtggga 420
tcaagaggag gagcgggaagc ggcaggagag gtggcagaag gagcaggacc gcctactgca 480
ggaaaaatat caacgtgagc aggagaaact gaggggaagag tggcaaaggc ccaaacagga 540
ggcagagaga gagaattcca agtacttgga tgaggaaactg atggctcctaa gctcaaacag 600
catgtctctg accacacggg agccctctct tgccacctgg gaagctacct ggagtgaagg 660
gtccaagtct tcagacagag aaggaacctc agcaggagaa gaggagagga gacagccaca 720
agaggaagtt gttcatgagg accaaggaaa gaagccgcag gatcagcttg ttattgaga 780
agagaggaaa tgggagcaac agcttcagga agagcaagag caaaagcggc ttcaggctga 840
ggctgaggag cagaagcgct ctgaggagga gcagaagcgc caggcagaga tagagcggga 900
aacatcagtc agaataatcc agtacaggag gcctgttgat tcctatgata taccaaagac 960
agaagaagca tcttcagggt tcttctctgg tgacaggaat aaatccagat ctactactga 1020
actggatgat tactccacaa ataaaaatgg aaacaataaa tatttagacc aaattggga 1080
cacgacctct tcacagagga gatccaagaa agaacaagta ccatcaggag cagaattgga 1140
gaggcaacaa atccttcagg aaatgaggaa gagaacaccc cttcacaatg acaacagctg 1200
gatccgacag cgcagtgccca gtgtcaacaa agagcctgtt agtcttctg ggatcatgag 1260
aagaggcgaa tcttttagata acctggaact ccccgatcc aattcttgga gacagcctcc 1320
ttggctcaat cagcccacag gattctatgc ttcttctct gtgcaagact ttagtcgccc 1380
acaacctcag ctgggtctcca catcaaaccg tgccatcatg cggaacccct cctccagcgt 1440
gccccaccc tcaagtgggt ccgtgaagac ctccaccaca ggtgtggcca ccacacagt 1500
ccccaccccg agaagccatt ccccttcagc ttcacagtca ggctctcagc tgcgtaecag 1560
gtcagtcagt gggaagcgca tatgtccta ctgcaataac attctgggca aaggagccgc 1620
catgatcatc gagtccctgg gtctttgtta tcatttgcat tgttttaagt gtgttgccctg 1680
tgagtgtgac ctccgaggct cttcctcagg agctgaagtc aggatcagaa accaccaact 1740
gtactgcaac gactgctatc tcagattcaa atctggacgg ccaaccgcca tgtgatgtaa 1800
gcctccatac gaaagcactg ttgcagatag aagaagaggt ggttgctgct catgtagatc 1860
tataaatatg tgttgtatgt cttttttgct ttttttttaa aaaaaagaat aacttttttc 1920
gcctctttag attacattga agcattgtag tcctggtaag accagtattt ttggtgttta 1980
tttataaggc aattgtgggt gggggaaaaa tgcagaattt accc 2024

```

<210> 91  
 <211> 3518  
 <212> DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte clone 1425691CB1

&lt;400&gt; 91

```
ctctctcggc cccggccatct tgtgggaaga gctgaagcag gcgctcttgg ctccggcgcg 60
cccgtgcaa tccgtggagg aacgcgccgc cgagccacca tcatgcctgg gcacttacag 120
gaaggcttcg gctgcgtggt caccaaccga ttcgaccagt tatttgacga cgaatcggac 180
cccttcgagg tgctgaaggc agcagagaac aagaaaaaag aagccggcgg gggcgcggtt 240
ggggggccctg gggccaagag cgagctcag gccgcggccc agaccaactc caacgcggca 300
ggcaaacagc tgcgcaagga gtcccagaaa gaccgcaaga acccgctgcc cccagcggtt 360
ggcgtgggtt acaagaaaaga ggagacgcag ccgcccgtgg cgcttaagaa agaaggaata 420
agacgagttg gaagaagacc tgatcaacaa cttcaggggtg aagggaaaat aattgataga 480
agaccagaaa ggcgaccacc tcgtgaacga agattcgaaa agccacttga agaaaagggt 540
gaaggaggcg aattttcagt tgatagaccg attattgacc gacctattcg aggtcgtggt 600
ggtcttggaa gaggtcgagg gggccgtgga cgtggaatgg gccgaggaga tggatttgat 660
tctcgtggca aacgtgaatt tgataggcat agtggaaagt atagatcttc tttttcacat 720
tacagtggcc tgaagcacga ggacaaacgt ggagtgtagc gatctcaca ctggggaact 780
gtcaaagacg aattaacaga gtcccccata taccattcaga aacaaatatc ttataattac 840
agtgaacttg atcaatcaaa tgtgactgag gaaacacctg aaggtgaaga acatcatcca 900
gtggcagaca ctgaaaataa ggagaatgaa gttgaagagg taaaagagga ggggtccaaa 960
gagatgactt tggatgagtg gaaggctatt caaaataagg accgggcaaa agtagaattt 1020
aatatccgaa aaccaaataa aggtgctgat gggcagtgga agaagggaat tgttcttcat 1080
aaatcaaaga gtgaagaggc tcatgctgaa gattcggtta tggaccatca ttcccggaag 1140
ccagcaaatg atataacgta tcagctggag atcaattttg gagaccttgg ccgcccagga 1200
cgtggcgcca ggggaggacg aggtggacgt gggcgtgggt ggcgcccata ccgtggcagc 1260
aggaccgaca agtcaagtgc ttctgctcct gatgtggatg acccagaggc attcccagct 1320
ctggcttaac tggatgccat aagacaaccc tggttccttt gtgaaccctt ctgttcaaa 1380
cttttgcatt ctaaggatt ccaaacgact aagaaattaa aaaaaaaaag actgtcattc 1440
ataccattca cacctaaaga ctgaattttta tctgttttaa aaatgaactt ctcccgttac 1500
acagaagtaa caaatatggt agtcagtttt gtatttagaa atgtattggt agcaggatg 1560
ttttcataat ttccagagat tatgcattct tcatgaatac ttttgtattg ctgcttgcaa 1620
atatgcattt ccaaacttga aatatagggt tgaacagtg gtaccagttt aaagctttca 1680
cttcatttgt gtttttaatt taaggatttt gaagttcccc caattacaaa ctggttttaa 1740
atatggaca tactggtttt aatacctgtc ttgcataatt acacatgggt aactgggaca 1800
tgtaaaactt tgatttgtca aattttatgc tgtgtggaat actaactata tgtattttaa 1860
cttagtttta atattttcat ttttggggaa aaatcttttt tcaacttctca tgatagctgt 1920
tatatatata tgctaaatct ttatatagag aaatatcagt acttgaacaa attcaaagca 1980
catttggttt attaacctt gctccttgca tggctcatta ggttcaaatt ataactgatt 2040
tacattttca gctatattta ctttttaaat gcttgagttt cccattttta aatctaaact 2100
agacatttta attggtgaaa gttgttttaa ctactatttg ttggtaggca cattgtgtca 2160
agtgaagtag ttttatagggt atgggttttt tctccccctt caccagggtg ggtggaataa 2220
gttgatttgg ccaatgtgta atatttaaac tgttctgtaa aataagtgctc tggccatttg 2280
gtatgatattc tgtgtgtgaa aggtcccaaa atcaaaatgg tacatccata atcagccacc 2340
atttaaccct tccttgttct aaaacaaa aaagggcg ctggttggtg ggggtgaggtg 2400
ggggagtatt ttaatttttg gaatttggga agcagacagc tttactttgt aagggttgaa 2460
cagcagcact atacatgaaa tataaaccaa aaacctttac tgtttctaaa tttcctagat 2520
tgctattatt tggttgtaag ttgagtattc cacagaaagt ggtaattatc tctctctctt 2580
cctccattag aaaattaggt aaataatgga ttctataaat gggagcatca ccacttatta 2640
aaacacacat agaatgatga attaaaaaag ttttctagga ttgtctttta ttctgccaca 2700
tttattgata aacagtgaag gaatttttaa aaaattttta agaattgttt gtcacgtcat 2760
ttttagaaat gttctacctg tatatggtta tgtccagttt taaaaatatt ggacactctc 2820
aatcttaaac atttctattt agctgattgg ttctcacata tacttctaaa agaaactttt 2880
atgttataag agttactttt tggataagat ttattaatct cagttaccta ctattctgac 2940
attttaggaa ggaggtaatt gtttttaatg atggataaac ttgtgctggt gttttggatc 3000
ttatgatgct gagcatgttc tgcactgggt ctaatgtcta atataatttt atatttacac 3060
acatacgtgc taccagaga ttaatttagt ccatatgaac tattgaccca ttgttcattg 3120
agacagcaac atacgcactc ctaaatcagt gttgttagag ttttcaagta tctaactcat 3180
ttccaaacat gtaccatgtt ttataaacct ctgtatttcc agcaacatac tatagaaaac 3240
acctgctact caaaacacaa cttctcagtg tcatccattg ctgtcgtgag agacaacata 3300
gcaatatctg gtatgttgca agctttcaag atagcctgaa cttaaaaagt tgggtgatta 3360
gttgatctg atggatataa atttgccctc tagttcactt tgtgtcaaga gctaaaactg 3420
```



tgaacctaac ttctcttat tgggtgggtaa taactgaaaa taaagattta ttttcattgt 3480  
cacttcttaa aagtcataaa aacaatcaaa aaaaaaaa 3518

<210> 92  
<211> 2741  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte clone 1484257CB1

<400> 92  
ttccgcccga ctctaacatg gcggcgccct ttgtctgtct tggagtgccg tccccggcct 60  
tctcgcgccc gtgatgcacc tccctctgcg gtgggggtccg ggacatggca ggtaatgagc 120  
cggacgaggg gagccaagct ggagtttaca caggcaaaact gtcagaaaag agtagcctgg 180  
gctgtctgga aatctgagcc atggactttc cccagcacag ccagcatgtc ttggaacagc 240  
tgaaccagca gcggcagctg gtgctggcgg cctgcagcga gtacttcaag atgctcttcg 300  
actttaaggc tcataaagca gtgctggcgg cctgcagcga gtacttcaag atgctcttcg 360  
tggaccagaa ggacgtggtg cacctggaca tcagtaacgc ggcaggcctg ggcaggtgct 420  
tggagtatat gtacacggcc aagctgagcc tgagccctga gaacgtggat gatgtgctgg 480  
ccgtggccac tttcctccaa atgcaggaca tcatcacggc ctgccatgcc ctcaagtcac 540  
ttgctgagcc ggctaccagc cctgggggaa atgcggaggc cttggcacag aaggtctgcc 600  
ctgttccatc tccaggaggg gacaagagag ccaaagagga gaaggtggcc accagcacgc 660  
tgagcaggct ggagcaggca ggacgcagca caccatagg cccagcagg gacctcaagg 720  
aggagcgcg cggtcaggcc cagagtgcgg ccagcgggtc agagcagaca gagaaagccg 780  
atgcgccccg ggagccgccc cctgtggagc tcaagccaga cccacagag ggcatggctg 840  
ctgcagaagc tgaggccgct ttgtccgaga gttcggagca agaaatggag gtggagcccg 900  
cccggaaaag ggaagaggag caaaaggagc aagaggagca agaggagggg ggcgcagggc 960  
cagctgaggt caaggaggag ggttcccagc tggagaacgg agaggccccc gaggagaacg 1020  
agaatgagga gtcagcgggc acagactcgg ggcaggagct cggctccgag gcccggggcc 1080  
tgcgctcagg cacctacggc gaccgcacgg agtccaaggc ctacggctcc gtcattccca 1140  
agtgcgagga ctgtgggaag gatttcacgc acacggggaa cttcaagcgg cacatccgca 1200  
tccacacggg ggagaagccc ttctcgtgcc gggagtgcag caaggccttt tccgaccgag 1260  
ccgctgagca ggcccatgag aagacgcaca gccctctgaa gccctacggc tgcgaggagt 1320  
gcgggaagag ctaccgcctc atcagcctgc tgaacctgca caagaagcgg cactcgggag 1380  
aggcgcgcta ccgctgcgag gactgcggca agctcttcac cacctcgggc aacctcaagc 1440  
gccaccagct ggtgcacagc ggcgagaagc cctaccagtg cgactactgc ggccgctcct 1500  
tctccgaccc cacttccaag atgcgccacc tggagacca cgacacggac aaggagcaca 1560  
agtgcccaca ctgcgacaag aagttcaacc aggtagggaa cctgaaggcc cacctgaaga 1620  
tccacatcgc tgacgggccc ctcaagtgcc gagagtgtgg gaagcagttc accacctcag 1680  
ggaacctgaa gcggcacctt cggatccaca ggcgggagaa gccctacgtg tgcattccat 1740  
gccagcgaca gtttgacagc cccggcgctc tgcagcggca cgtccgcat caccacaggt 1800  
agaagccatg ccagtgtgtg atgtgcggta aggccttcac ccaggccagc tccctcatcg 1860  
cccacgtgcg ccagcacacc ggggagaagc cctacgtctg cgagcgtgc ggcaagagat 1920  
tcgtccagtc cagccagttg gccaatcata ttcgccacca cgacaacatc cggccacaca 1980  
agtgcagcgt gtgcagcaag gccttcgtga acgtggggga cctgtccaag cacatcatca 2040  
ttcacactgg agagaagcct tacctgtgtg ataagtgtg gcgtggcttc aaccgggtag 2100  
acaacctgcg ctcccacgtg aagaccgtgc accagggcaa ggcaggcatc aagatcctgg 2160  
agcccagga gggcagtgag gtcagcgtgg tcaactgtga tgacatggct acgctggcta 2220  
ccgaggcact ggcagcgaca gccgtcactc agctcacagt ggtgccggtg ggagctgcag 2280  
tgacagccga tgagacggaa gtcctgaagg ccgagatcag caaagctgtg aagcaagtg 2340  
aggaacaga ccccaacact cacatcctct acgctgtga ctctgtggg gacaagtttc 2400  
tggatgccaa cagctggctc cagcatgtgc gaatccacac agcccaggca ctggtcatgt 2460  
tccagacaga cgcggacttc tatcagcagt atgggccagg tggcacgtgg cctgcggggc 2520  
aggtgctgca ggctggggag ctggtcttcc gccctcgcga cggggctgag ggccagcccc 2580  
cactggcaga gacctccctt acagctcctg aatgtccccc gcctgccgag tgagctggcg 2640  
gcccttctga ctgtttattt aaggatggat ggcaccctgg aaccgggaag ggtggcctgt 2700  
tccctagaga gaataaattg gattattttc taaaaaaaaa a 2741

<210> 93  
<211> 1305

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte clone 1732368CB1

&lt;400&gt; 93

```

gaggaaatac cgatggacct aacggtagtg aagcaggaaa ttatagactg gccaggtaca 60
gaaggcagga gacggatagt agtttagtgg taaaagaagc gaagggtggg gaaccagagg 120
taaagggaaga gaaggtaaaag gaagaggtaa tggactgggc agaagtgaag gaagagaagg 180
ataacttggg gataaaacag gaggagaagt ttgttgggtc atgcataaaa gaggaattga 240
tgcatggaga gtgtgtaaaa gaagagaagg atttcctgaa gaaagaaatc gtggatgata 300
caaaggtgaa agaagagcct ccgataaatc acccgggtgg ctgcaagcgg aaactggcca 360
tgtcaagggtg tgagacttgt ggtacagaag aagcaaaagta cagatgtcca cgttgtatgc 420
gatattcctg cagtttgccc tgtgtaaaaga aacacaaagc agaactgaca tgtaattggag 480
ttcgagataa aactgcatac atttcaatac aacagtttac tgaaatgaat ctccctaagt 540
attatcgatt tttggaagat gtggcaagaa cagcggacca tatttctaga gatgcttttt 600
tgaagagacc aataagcaat aaatatatgt actttatgaa aaatcgtgcc cggaggcaag 660
gtatttaactt aaaacttcta cccaatggat tcaccaagag gaaggagaat tcaacctttt 720
ttgataagaa aaaacaacag ttttgttggc atgtgaagct ccagtttctt caaagtcaag 780
ctgagtacat agaaaaaaga gtaccagatg ataaaactat taatgaaatc ctaaaacctt 840
acattgatcc tgaaaagtct gatcctgtaa ttctgcaaaag gttgaaagcc tacattcgct 900
ctcagactgg gggtcagatt ttaatgaaga ttgaatatat gcagcaaaat ttagtaagat 960
attatgaact agatccttat aaaagtctcc tagacaattt gaggaacaaa gtgatcatcg 1020
agtatccaac attacatgtg gtattgaaaag gatccaataa tgacatgaaa gttcttcacc 1080
aagtgaagag tgaatctacc aagaacgttg gcaatgaaaa ttgagcattt tttctggaag 1140
aagaaagtga aaacttcag acaactgcag cagactctgc attgatgggc tgttggctga 1200
ttgggggtatt gtcaatgggt gattggaatt ttttctttgt atgaaaaata agcttaactc 1260
ttttaaaaaa tgtattttat aacctcttga attaattgac ttgta 1305

```

&lt;210&gt; 94

&lt;211&gt; 1145

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte clone 1870914CB1

&lt;400&gt; 94

```

cacgaaggcg gcaaaaggcg cggaatggag gaggtgcctc acgactgtcc aggggcccgc 60
agcgcccagg cgggcagagg ggcttcatgt cagggatgcc ccaaccagcg gctgtgcgct 120
tctggagcgg gggccactcc ggacacggct atagaggaaa tcaaagagaa aatgaagact 180
gtaaaacaca aaatcttggg attgtctggg aaaggcgggt ttgggaaaag cacattcagc 240
gcccaccttg cccatggcct agcagaggat gaaaacacac agattgctct tctagacatc 300
gatatagtg ggccatcgat tcccaagata atgggattgg aaggagagca ggttcaccag 360
agtggctcag gctgggtctc agtgtacgtg gaagacaacc tgggggtgat gtcagtgggc 420
ttcctgtctc gcagtcctga tgatgtgtt atctggaggg gacccaagaa aaacggcatg 480
atcaagcagt tctccgaga tgtggactgg ggagaggctc actacctcat tgtggacacc 540
ccacctggga cgtcggatga acacctctcg gtcgtccggc acctggccac agcacacatc 600
gatggagcag tgatcatcac cactccccag gaggtgtcac tccaggatgt ccggaagaa 660
atcaacttct gccgcaaggt gaagctgccc atcatcggg tggtggagaa catgagtggc 720
ttcatctgtc ctaagtgcga gaaagaatct cagatatccc ctcccacaac cgggggcgcg 780
gagctcatgt gccaggactt ggagggtccct ctccctcgga gagtgcctcc ggatccgctc 840
ataggaatcc aagagttttg taatctccat cagtcaaaag aagagaacct catcagttcc 900
tgaagcgaga gaatgttcag gaccaagcag ttaccgagcg aggcactcac tgggcagcac 960
atccagccag acccgaccag ctccgggatg ggggtgggtc cagcaaaagg accagatgct 1020
gggtgtgtcc gaagccactt tctcagagac actttaatca ttgagtattt gtacactttt 1080
ctttagaaca tatataaagg gcattctcta caaatgtgcc gttttaagaa tagggccccg 1140
gtcga 1145

```

<210> 95  
<211> 1470  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte clone 1910984CB1

<400> 95  
acccccgaac agctgctgga gcataagaaa tgccacactg tccccaccgg tggggtcaat 60  
ttatgttcta ggatgaccaa gtagaagaat actttgaaaa aattgataat gccttctggc 120  
tatcacagtgc ccattctgca tttattccac caaccgcccc gctgccatgg agtgccacct 180  
caagacccac tacaagatgg agtacaagt ccggaatctgc cagacggtga aggccaacca 240  
gctggagctg gagacgcaca cccgggagca ccgcctgggc aaccactaca agtgcgacca 300  
gtgctggctac ctgtccaaga ccgccaacaa gctcatcgag cacgtgcgag tccacaccgg 360  
ggagcggccc ttccactgtg accagtgcag ctacagctgc acaggcaagg acaatctcaa 420  
cctgcacaag aagctgaagc acgccccacg ccagaccttc agctgcgaag agtgccctgtt 480  
caagaccaca caccctttcg tcttcagccg ccacgtcaag aagcaccaga gtggggactg 540  
ccctgaggag gacagaagg gctgtgttc agcccccaag gaaccggccg gcccgggggc 600  
cccgctctctg gtggctcgga gctcccggaa tctcctgtct cccctgtcag ttatgtctgc 660  
ctcccaggct ctgcagaccg tggccctgtc ggcagcccac ggcagcagct cagagcccaa 720  
cctggcactc aaggcttttg ccttcaacgg ctcccctttg cgctttgaca agtaccggaa 780  
ctcagatttt gcccatctca ttcctttgac aatgtttata cccaagaacc acttggatct 840  
cacattccac cctccccgac ctccagctgc gctcccagc atcccctcac ccaaactctc 900  
cttcctggcc tatctcgga tgagagaaag agcagagact gtctgagggc agccatgttc 960  
tgtacaaaaa acagagagac aaaagacaaa aaaaaaaaaa aaaccacaaa acttaaacac 1020  
aaccacagca ggtgtatgtt gctgcaaaac ctacagaccc cgatgggtct ggaacatgtg 1080  
tactgtatat cttagtaag gaatagaaaa ttggctctgt gtgtatacct attgcattga 1140  
cctgaaagct gctttatcca atcttcagag aggtgacct ctgcatactt ctaccttcag 1200  
aggcagcct cccagccac ccactcccac tctcagccct tctccgact tttctctgaa 1260  
aggaatcttg tctgttaaa ccctaaagag agtgtcctta atagcaatca gcattgttaa 1320  
gcttatatac tgggtgcatct cggttttctg ttaggggtgaa tgcggtgtgt ggcggtttgt 1380  
ggattctgaa agagaaagcc gtgtgtcgtg tgccatgaca tttctattcc acattcttgg 1440  
tactggcttc ttaacacgca atgaacgttc 1470

<210> 96  
<211> 1399  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte clone 1943040CB1

<400> 96  
ctgggaaggc cccggacccg caggaccccc aggacgcgga gtccgactct gccaccggat 60  
cgcagaggca gtccgtcatc cagcagcctg ccccgagacag gggcacggcg aaactgggaa 120  
ccaagaggcc gcaccccgag gatggggacg ggcagagcct cgagggcgct tctagctccg 180  
gcgacagcgc agggctggag gccgggcagg gccctggggc tgacgagccg ggcttgtccc 240  
gcgggaagcc ctatgcctgc ggcgagtgcg gggaggcctt cgcgtggctc tcgcacctga 300  
tggagcacca cagcagccat ggcgcccgga agcgctacgc ctgtcagggc tgctggaaga 360  
ccttccactt cagcctggcc ctagccgagc accagaagac ccacgagaag gagaaaagct 420  
acgcgctggg gggcgcccg ggcccccaac cgtccaccg cgaacccagg cgggggctga 480  
ggcgggcggt cccccagaga gcgtggaggg cgaggctccc cccgcacccc cagaggcgca 540  
gaggtgagcc gctgtgctgt cccgttccgg aggggcccgt ttgcccggccg tgaatcccag 600  
acgaggcatt gggcctttcc acgcccctgg gtggcggtt cctgtgggtg ttgtggacct 660  
cctctgcctg tgccctgaat ccgctcctga ggctaagcgc tcccacagag aagggtccac 720  
gggaagccct cactctgta aacacaccct gggccagcgc tcgcatccga ggggagccgc 780  
cggatgtgga agaagactcg gctttcctgc agccatttag tgccgcccc tgcaggtta 840  
tttgacattg tgcagtgtag agttgcctta aagtgcgtga tctgccagtg ctttcttcaa 900  
gtcacccttg ccccgattcc tctgtttgc gtcccccagg gttgctcaag tggaaatttt 960  
gtcagctgtt tagccttttc gtacttggcg tgatgtcaac ttcacttcta atctgcaaaa 1020

```

gcagaagctg tttcctagtt tacctcgcgt gtgtttacct atatggagta gctcgcagag 1080
atcacagaaa tgcttgccagc ctaaggcagg gttttcagac cgtgggtccc agcccattha 1140
gtaaaatggg aaatcaatta gcaagtggtc accagcatta cacagcaatg aagcagaata 1200
aagtaggcca gaatgcatca ttagtaaaag gcaaatactg ttttgtgaaa cttttcaccc 1260
atacatctaa atgtgagaac tggttgcaat gtaagacatt tcttgctggg aagttgtgag 1320
caaaaataagt tgaaaacact aataaagatc tgtctgtctg agcaaaggag actaaactcc 1380
ttgggctaca aaaaaaaaaa 1399

```

&lt;210&gt; 97

&lt;211&gt; 3247

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte clone 2076520CB1

&lt;400&gt; 97

```

cggctcgaga tcgaaccaag gaaaaacttc ccctgagctc agtatcatac agtaatatga 60
ttgaaccgga tcagtgtttc tgccgttttg atttaacagg aacatgtaat gatgatgatt 120
gtcaatggca gcatatacaa gactatacac ttagccgaaa acagttatcc caggacattc 180
tgtcatataa tctgtctttg attggttggt cagagacaag tactaatgaa gaaattactg 240
cttcagcaga aaaatatgtt gagaaaacttt ttggagtaaa caaagatcga atgtcaatgg 300
accagatggc tgttctcctt gtttagcaata tcaatgaaaag taaaggtcac actcctccac 360
ttacaacctc caaagataaaa agaaaagtga agccaaagtt ttggagaaaa cctatttcag 420
ataatagctt cagtagtgat gaggaacagt ctacaggacc aattaagtat gctttccagc 480
cagagaacca aataaatgtt ccagctctgg atacagttgt cactccagat gatgtcagat 540
actttacaaa tgagactgat gacatcgcta atttagaagc aagtgtgctt gaaaatcctt 600
ctcatgtaca actttggctc aagcttgctg acaagtactt gaatcaaaat gagggggagt 660
gctcagaatc cttggattct gctttaaatg ttctggcgcg agcattggaa aataacaaaag 720
acaatccaga aatttgggtg cattacctca gattgttctc aaaaagagga accaaggacg 780
aggtgcagga aatgtgtgaa acagctgttg aatatgctcc agattatcaa agcttttggg 840
cttttctaca cctagaaaag acccttgaaag aaaaggatta cgtatgtgag agaattgttg 900
agtttctgat gggagcagcc aagcaggaaa catccaatat tttgtccttt cagcttttag 960
aggctctttt gtttagagtt cagctgcaca tatttactgg aagatgccaa agtgcactgg 1020
caattttaca gaatgcattg aaatctgcta atgatggaat agtagctgaa taccttaaaa 1080
ccagtgatcg atgtttggca tggttggcct acatacatct tattgaattc aacattctcc 1140
cttcaaaatt ttatgatcca tctaatagata atccttcaag aattgttaac actgaatcat 1200
ttgtaatgcc atggcaagct gttcaagatg taaagactaa tcctgacatg ttgttagcag 1260
tttttgaaga tgcagtgaaa gcttgccacag atgagagcct tgctgttgag gaaagaatag 1320
aggcctgcct tccactttac acaaacatga ttgctctgca ccaactcctg gagaggratg 1380
aggctgcaat ggaagctttg aaatctttat ttggaatcatg tcctattaac tgccagttgc 1440
tggaagccct tgttgcatca tatttgcaaa caaatcagca tgacaaaagcc agagcagttg 1500
ggcttactgc atttgaaaaa aatcctcaga atgcagaggt tttttatcat atgtgcaaat 1560
tcttcatctt acagaatcga ggcgataatc ttcttccatt tttgcggaaa tttattgcat 1620
ccttctttaa accgggggtt gagaaagtata ataacttgga tctgtttcgg tatctcttaa 1680
atatttcagg accaattgac attccatctc gtttatgtaa agggaatttt gatgatgata 1740
tgtttaacca ccaagttcct tatttgtggc tgatttactg cctttgtcat cctcttcaat 1800
caagratata agaaacagtg gaggcataatg aggcagcatt aggggtggct atgagatgtg 1860
atatagtaca gaagatatgg atggattatc ttgtctttgc aaataataga gctgctggat 1920
ccagaaacaa agttcaagaa ttcagatttt ttactgattt agtgaataga tgtttgggta 1980
cagtccttgc ccgatacccc attcctttta gcagtgtgta ttactggtcc aactatgaat 2040
ttcataatag ggttattttc ttttatttga gctgtgttcc aaagaccagc cattccaaaa 2100
ccttggaacg gttttgttca gttatgccag ctaattcttg acttgcatg aggttacttc 2160
aacatgaatg ggaagaaagc aatgttcaga ttctgaaact tcaagccaag aggtttacat 2220
ataatatccc aacatgcctg gccacctgga aaatagccat tgctgttgag attgttctaa 2280
agggacaaaag agaggtccac cgtttatatac agagagcctt acagaagtta cctctttgtg 2340
catcactgtg gaaagatcaa ctcttgtttg aagcatcaga aggaggtaaa actgataacc 2400
tgagaaaact agtttccaag tgccaagaga ttggagtcag cctaaatgag ctcttaaat 2460
taaacagtaa caaaacagaa agcaagaact actgaacact ggggtgcagt agtcttaagt 2520
ccttataata attgccaata ttatttgaat gattcttcaa gattaggctg atccctggct 2580
aaggtctgtg taaggcagac aagcgttatt gatcatatca agttccctac aatatcctgt 2640
cctcaaaacc ggaagcaatg aacatgatcc tcttcggttg gataaatgaa cttcctgttt 2700

```

```

ggcctgcttc taggcctgc cagattctca taacatcata tacgtaagta tagttcctca 2760
aagtgaactga catttatttt aattttgctt tgtttttttt tattttctcc cccattcctt 2820
tattttgtgt tattcctgac tcacttgaca ctctctgatg cctgagagat tcctgtttgg 2880
gatttaatat ccagggtgt gtttacagta aaaaaagcag gcagtccttt ttagtttttc 2940
ctttttaaat ttttttgaga ttcttcattt caggatttaa aactatagca gtccatctta 3000
aggaaagtgt aactgccatg gccacaagtc tgctagtgtc acttgaatgc tctatcaggg 3060
ttgtttatta cctttcttac gttctggact ccttgccgag actgtttaac ttgaagatta 3120
aagaaactat tgcaaatgcc agtgcacag aacctaaagag tgggtcaaata ttatgtgcaa 3180
tttttttgta aagaaatttt aatttataat aaagtttaac agtttaaaga acaaaaaaaaa 3240
aaaaaaa

```

<210> 98  
 <211> 2348  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte clone 2291241CB1

```

<400> 98
ttcggcagag gccgaacctg gcttcgctaa cgcctcccca gctccctcgg gtctgacttc 60
cggtttcttc gcgcgtccct ggccgagagc cgcgggacag cggcagccccc ttttcgggct 120
gagagctcat ccacacttcc aatcactttc cggagtgtct cccctccctc cggcccggtc 180
tgggtcccgac ggccggcctg ggtctcgccg gcgtattgct gggtaacggg ccttctcccg 240
cgtcggcccg gccctcctg cctcggctcg tccctccttc cagaacgtcc cgggctcctg 300
ccgagtcaga agaaatggga ctccctccgc gacgtgcccg gagcagctcc cttcgtgtg 360
gaagcggcgg tgtcttcgaa gaaaccggaa gcccggtgtg acccctggcg acccggtttg 420
ttttcggtcc gtttccaaac actaaggaat cgaaactcgg cggccttggg ggcggcccta 480
cgtagcctcg cttctggttg tcatggatgc actggtagaa gatgatatct gtattctgaa 540
tcatgaaaaa gcccataaga gagatacagt gactccagtt tcaatatatt caggagatga 600
atctgtgtgt tcccattttg ctcttgctac tgcataatgaa gacatcaaaa aacgacttaa 660
ggattcagag aaagagaact ctttggttaa gaagagaata agatttttgg aagaaaagct 720
aatagctcga tttgaagaag aaacaagttc cgtgggacga gaacaagtaa ataaggccta 780
tcatgcatat cgagaggttt gcattgatag attgaatgag agctacaat caaagaagt 900
gaataaagac aactctgaat ctttgaaaagt aactcagcag gtgatgagga atttaaatcc 960
agaactcctc cagctgagga cagaggtgga aactcagcag gtgatgagga atttaaatcc 960
accttcatca aactgggagg tggaaaagtt gagctgtgac ctgaagatcc atggtttgga 1020
acaagagctg gaactgatga ggaaagaatg tagcgatctc aaaatagaac tacagaaagc 1080
caaacaaacg gatccatatc aggaagacaa tctgaagagc agagatctcc aaaaactaag 1140
catttcaagt gataatatgc agcatgcata ctgggaactg aagagagaaa tgtctaat 1200
acatctggtg actcaagtac aagctgaact actaagaaaa ctgaaaacct caactgcaat 1260
caagaaagcc tgtgccctg taggatgcag tgaagacctt ggaagagaca gcacaaaact 1320
gcacttgatg aattttactg caacatacac aagacatccc cctctcttac caaatggcaa 1380
agctctttgt cataccacat cttccccttt accaggagat gtaaagggtt tatcagagaa 1440
agcaatcctc caatcatgga cagacaatga gagatccatt cctaattgat gtacatgct 1500
tcaggaacac agttcttatg gcagaaattc tctggaagac aattcctggg tatttccaag 1560
tctcctaaa tcaagtga cagcatttgg ggaactaaa actaaaactt tgcctttacc 1620
caaccttcca ccactgcatt acttgatca acataatcag aactgccttt ataagaatta 1680
atttggaaga gattcacgat ttcaccatga ggacatttat ctctttcagt ggtcctccca 1740
agaaattatt taacaaactg aaaggagatt ttgattaaaa ttttgagag gtcttcagta 1800
tctatatttg aacacactgt acaatagtac aaaaaccaac atagttgggt ttctagtatg 1860
aaagagcacc ctctagctcc atattctaag aatctgaaat atgctactat actaattaat 1920
aagtaaaact aaggtgttta aaaaactctg ccttctatat taattgtaaa atttgcctc 1980
tcagaagaat ggaattggag attgtagacg tggttttaca aaatgtgaaa tgtctaaata 2040
tctgttcata aaaataaaag gaaaacatgt ttcttcaaat tgcataatgg aacaaatggc 2100
aatgtgagta gggtacattt ctgttggtat aatgcgtaaa gatattgaaa atataatgaa 2160
ataaaagcat cttaggttat accatcttta tatgctattg cgtttcaata ttaagattt 2220
aaagtgtttt ttggtcaca gtgtttgttt gataaaattt ttttagaatt gaagtttgaa 2280
ttctaagact tgaacaacc ttatcactga agccaacttt ttcccagcac attccttaan 2340
tcctaatt

```

<210> 99  
<211> 2508  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte clone 2329692CB1

<400> 99  
catncongaa accaaaactn gtaccaacac cactacaact ccccatcgcc agagacacac 60  
accncttcc agggaaagag taacccccaa gggggataac aacccaagc taanccaaac 120  
ctccctnacc gtgtaagcan ccattccanc cacaattccc anactctcca aaaccaccaa 180  
cctaattnaa agggccctccc cctnctaatt gacctnacag nagcccaaga tnaaaaagtt 240  
tagggaccac ccctgtttta gcaaaaagat aatnttgggg gncnttttg nnttaaccat 300  
tgtcagaana ttgggctaaa gagaagacga cgagagtaag gaaataaagg gaattgcctc 360  
tggttagaga gtatgttaggt gttaatacct ggtagagatg taagggatat gacctccctt 420  
tctttatgtg ctactgagg atctgagggg accctgttag gagagcatag catcatgatg 480  
tattagctgt tcatctgcta ctggttggat ggacataact attgtaacta ttcagtattt 540  
actggtaggc actgtcctct gattaaactt ggcctactgg caatggctac ttaggattga 600  
tctaagggcc aaagtgcagg gtgggtgaac tttattgtac tttggatttg gttaacctgt 660  
tttcttcaag cctgaggttt tatatacaaa ctccctgaat actctttttg ccttgtatct 720  
tctcagcctc ctagccaagt cctatgtaat atggaaaaca aacactgcag acttgagatt 780  
cagttgccga tcaaggctct ggcattcaga gaacccttgc aactcgagaa gctgttttta 840  
tttcgttttt gttttgatcc agtgctctcc catctaacaa ctaaacagga gccatttcaa 900  
ggcgggagat atttttaaca cccaaaatgt tgggtctgat tttcaaactt ttaaactcac 960  
tactgatgat tctcagccta ggcgaatttg tccaaacaca tagtgtgtgt gttttgtata 1020  
cactgtatga cccaccccca aatctttgta ttgtccacat tctccaacaa taaagcacag 1080  
agtggattta attaagcaca caaatgctaa ggcagaattt tgagggtggg agagaagaaa 1140  
agggaaagaa gctgaaaatg taaaaccaca ccaggaggga aaaatgacat tcagaaccag 1200  
caaacactga atttctcttg ttgttttaac tctgccacaa gaatgcaatt tcgttaattg 1260  
agatgactta agttggcagc agtaatcttc ttttaggagc ttgtaccaca gtcttgaca 1320  
taagtgcaga tttggctcaa gtaaagagaa tttcctcaac actaacttca ctgggataat 1380  
cagcagcgtg actaccctaa aagcatatca ctagccaaag agggaaatat ctgttcttct 1440  
tactgtgcct atattaagac tagtacaaat gtggtgtgtc ttccaacttt cattgaaaat 1500  
gccatatcta taccatattt tattcgagtc actgatgatg taatgatata ttttttcatt 1560  
attatagtag aatattttta tggcaagata tttgtggtct tgatcatacc tattaataa 1620  
atgccaaaca ccaaatatga attttatgat gtacactttg tgcttggcac taaaagaaaa 1680  
aaacacacat cctggaagtc tgtaagttgt tttttgttac tgtaggtctt caaagttaag 1740  
agtgraagtg aaaaatctgg aggagaggat aatttccact gtgtggaatg tgaatagtta 1800  
aatgaaaagt tatggttatt taatgtaatt attacttcaa atccttttgt cactgtgat 1860  
tcaagcatgt tttcttttct tcctttatat gactttctct gagttgggca aagaagaagc 1920  
tgacacaccg tatgttgtaa gagtctttta tctggtcagg ggaaacaaaa tcttgaccca 1980  
gctgaacatg tcttcttgag tcagtgcctg aatctttatt ttttaaattg aatgttccct 2040  
aaaggttaac atttctaaa gcaatattaag aaagacttta aatgttattt tggaagactt 2100  
acgatgcatg tatacaaacg aatagcagat aatgatgact agttcacaca taaagtcctt 2160  
ttaaggagaa aatctaaaat gaaaagtga taaacagaa atttataagt gatcagttaa 2220  
tgctaaagag tgaaagtagt tctattgaca tctctcaaga tatttaatat caactgcatt 2280  
atgtattatg tctgcttaaa tcattttaaaa acggcaaaaga attatataga ctatgaggt 2340  
ccttgctgtg taggaggatg aaaggggagt tgatagtctc ataaaactaa tttggcttca 2400  
agtttcatga atctgtaact agaatttaat tttcacccca ataattgttct atatagcctt 2460  
tgctaaagag caactaataa attaaaccta ttttttcaaa aaaaaaaa 2508

<210> 100  
<211> 2232  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte clone 2474110CB1

<400> 100

```

tttccaggga gacgagggcg cctgcccgcac ccgggacttc gtggtaggag cgcttatcc 60
gcgcctctatc ggcatggacc cgagcgacat ctacgcggtc atccagatcc cgggcagcc 120
cgaattcgac gtgagcttcc gctcagcgga gaagctggcc ctgttcctac gcgtctacga 180
ggagaagcgg gagcaggagg actgctggga gaactttgtg gtgctggggc ggagcaagtc 240
cagcttgaag acgctcttca tcctcttccg gaacgagacg gtggacgtgg aggacattgt 300
gacttggtc aagcgccact gcgacgtgct ggccgtgccc gtgaaagtga ccgacaggt 360
tgggatctgg accggggagt acaaatgcga gatcgagctg cgccaggggg agggcggggt 420
caggcacttg ccaggggcct tcttcctggg ggccgagagg ggctacagct ggtacaagg 480
gcagcccaag acatgcttta aatgtggttc ccggaccac atgagcgga gctgcacga 540
ggacaggtgc ttcaggtgcc gggaggagg gcacctgagc cttactgcc ggaaggcat 600
cgtgtgcaac ctctgtggca agcagggaca cgctttgcc cagtgtccca aagcagtgc 660
caattccgtg gcagctcagc taaccggcgt ggccggggcac taaacacccg cctgcctgcc 720
aggggtgaaca cacagccagc ttacccctct taagtgccaa aactttttt taaaccatt 780
tttatcggtt ttgaaggaga tctttttaa gactatcctc tatgccttc 840
taaaccgagt ttactccatt tcagcctgtt ctgaattggt gactctgtca ccaataacga 900
ctgaggagaa ctgtagcgtg cagatgtgtt gccctccct tttaaaattt tattttcgt 960
tttctattgg gtattgttt tgtttctgt actttttctc tctctccttg ccccccctcc 1020
gccccccccg ccccatacct tttcttcccc tggattttca cccttgggc tgccttgctc 1080
atctttatgc cccagcataa ggtacggggc ccaacacgtg gtaggcactc catcagtgt 1140
tgctgaattg aaaacattgt tgactgtggc ttctatcaga gtgtctacct ttgacagtc 1200
ttccccctcc tcaatttaatt tgctgtttt aatctacgtg gtctgagaat ttgtgaaacc 1260
agtgttggtt gaagtgtata taatctgaat caataagctc tgaatggtgg ccaagggcc 1320
ctcttatggc acaaagatgc atggacttca tgacagctct tttggtggct cagaagccat 1380
tttttataga atcatggaat ctagaatatt cctgctggaa agaacctgag agttggttt 1440
gaccaattcc ctggttttcc agcagatgaa acaggcccaa agaggttaaa tgactgggtg 1500
aaaatcacat agctgtctgg tgccagagcc agcctatagt agagtccct gacccaagc 1560
ccggtgctca ttccactacc tctcacact cacaacaatt tctcaacac ttgagggcc 1620
agaaagtctg atctctccag aatgatcagc ccagaggaat gctgagaaat cacctggagg 1680
agggagcaga aagagaagg ttttaaggag gggcttctga atacttgga gatacggaa 1740
ggaccaagga ccacactcca ggtgcatc ctttgcctcc tccattgccac cagtgaagaa 1800
cagtgtgcca ggtccttgg aggccttacc ccttccccat tcatggccac tagcctcaat 1860
tgggggtgcc cctgtgtaaa gaaacctacc aaaggtttac atttgcaact tagcctcaat 1920
agctacgaac cctagagaag cagctagctg gagctcatgt gcaactcctg attctcagga 1980
gaaagatgga ttttaaccca aaattatgag tgagctgtta actctaaaat gtacttggga 2040
gataggccaa gcgagaggtc atgggccaac taagtgttat ccagtagaaa agacagtaca 2100
ctgcttttct tttagtgtt gcttttccct tgctatatgt tttgctattt ccttgtggc 2160
tagaatgtaa aattgattgt taaaagtttt gttctgaata aatatttacc ttttgtattg 2220
ctaaaaaaaa aa 2232

```

<210> 101  
 <211> 1620  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte clone 2495790CB1

```

<400> 101
aacatggcgt tctgggggtg gcgcgcgcgc gcagccctcc ggctgtgggg ccgggtagct 60
gaacgggtcg aggcgggggg aggcgtgggg ccgtttcagg cctgcggctg tgggctgggt 120
cttggcgcca gggacgatta ttaaagggtg aagaaggctc atatctttt ctgtgggtgc 180
ttcaagtgtt gttggaagtg gaggcagcag tgacaagggg aagctttccc tgcaggatct 240
agctgagctg attcggggca gaggctgcca gaggtgtgtg gtcattgggt ggccgggcat 300
cagcacaccc agtggcattc cagacttcag atcgccgggg agtggcctgt acagcaacct 360
ccagcagtac gatctcccg accccgaggc catttttgaa ctccattct tctttcaca 420
ccccaaagccc tttttcactt tggccaagga gctgtacct ggaaactaca agcccaacgt 480
cactcactac tttctccggc tgcttcatga caaggggctg cttctgcggc tctacacgca 540
gaacatcgat gggcttgaga gagtgtcggg catccctgcc tcaaagctgg ttgaagctca 600
tggaaccttt gcctctgcca cctgcacagt ctgccaaaga ccttcccag gggaggacat 660
tcgggctgac gtgatggcag acagggttcc ccgctgccc gtctgcaccg gcgttgtgaa 720
gcccgacatt gtgttctttg gggagccgct gcccagagg ttcttgctgc atgtggttga 780
tttccccatg gcagatctgc tgctcatcct tgggacctcc ctggagggtg agccttttgc 840

```

```

cagcttgacc gaggccgtgc ggagctcagt tccccgactg ctcatcaacc gggacttggg 900
ggggcccttg gcttggcatc ctgcgagcag ggacgtggcc cagctggggg acgtgggtca 960
cggcgtagaa agcctagtgg agcttctggg ctggacagaa gagatgcggg accttgtgca 1020
gcgggaaact ggggaagcttg atggaccaga caaataggat gatggctgcc cccacacaat 1080
aaatggtaac ataggagaca tccacatccc aattctgaca agacctcatg cctgaagaca 1140
gcttgggagc gtgaaaccag aatatgtgaa ctgagtggac acccgaggct gccactggaa 1200
tgtcttctca ggccatgagc tgcagtgact ggtagggctg tgtttacagt cagggccacc 1260
ccgtcacata taaaaaggag ctgcctgcct gtttgcgtg ttgaactctt cactctgctg 1320
aagctcctaa tggaaaaagc tttcttctga ctgtgaccct cttgaactga atcagaccaa 1380
ctggaatccc agaccgagtc tgctttctgt gcctagtgtg acggcaagct cggcatctgt 1440
tggttacaag atccagactt gggccgagcg gtccccagcc ctcttcatgt tccgaagtgt 1500
agtcttgagg ccctgggtgcc gcacttctag catgttggtc tcctttagtg gggctatttt 1560
taatgagaga aaatctgttc tttccagcat gaaatacatt tagtctctc aaaaaaaaaa 1620

```

<210> 102  
 <211> 608  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte clone 2661254CB1

```

<400> 102
gcaatacgtt atggcgacca aacgcctttt cggggctacc cggacgtggg ccggctgggg 60
ggcctgggag ctctaaacc cgcaccttc cgggaagactc ctggcccggg attatgccaa 120
gaaaccagtt atgaaggggg ccaaatcggg aaaaggtgca gtgaccagcg aggccctcaa 180
ggaccccagc gtatgcacag atcctgtcca gctcaccaca tatgccatgg gcgtcaacat 240
ctacaaggaa gggcaggatg tacccttgaa accggatgct gagtaccctg aatggctgtt 300
cgagatgaac ttgggtcccc caaagacctt ggaggagctg gaccccagaga gccgggagta 360
ctggcggcgg ctgcggaaac agaactctg gcgccacaac cggctgagca agaacaagag 420
gtttagcat ggaggggccc gcctcgctga ccccccagcc gagggcttgc cgttttcccg 480
gaggacgtgg acttttgtga gacaagaggc ggctccccag cctgggtttc catgtgacct 540
cacagtgggg ctggaccagg gccctggagg ccaataaaga gctttctggg tagaccctaa 600
aaaaaaaaa
608

```

<210> 103  
 <211> 3257  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte clone 2674047CB1

```

<400> 103
ggannccant tggaaaggga aangtcggag ccattgngtg tgnccatttg cccttgggat 60
ttagcctggg aaancctgct ttcattgggac cgagcagatt aagggttggg ttttttngga 120
agagaggatg ttctagagcc atggttgaaa ttgaattgtt cagggcttct ggaaatcttg 180
taatcaccog tgagattgat gtggcaaaaa atcagtcctt ttggttcac acaaaaaaat 240
ctacaaccca gnaaatagtg gaagagaaag ttgcagcctt aaatattcaa gtggggaatc 300
tttgccagtt tctccctcag gacaaagtgt gagaatttgc taaactcagc aaaattgaac 360
tcctcgaagc cactgaaaaag tcaattgggtc ccccagaaat gcacaaatat cactgtgaac 420
tcaaaaactt aaggagagaa gaaaaacagc tcgagacctc atgcaaagag aaaactgagt 480
atctacagaa aatgggttcag aggaatgaaa gatataaaca agatgtggag aggttctatg 540
aacggaagcg acatttagat ttaattgaga tgcttgaagc aaaaaggcca tgggtggaat 600
atgaaaatgt tcgtcaggaa tatgaagaag taaaactagt tcgtgaccga gtgaaggaa 660
aggtcagaaa acttaaatg ggcagattc ctataacatg tcgaattgaa gaaatggaaa 720
acgagcgtca caatttggag gctcgaatca aagaaaaggc aacagatat aaggaggcat 780
ctcaaaaatg caaacagaag caagatgtta tagaaaggaa agataaacat attgaggaac 840
ttcagcaggc tttaatagta aagcaaatg aagagcttga ccgacagagg agaataggta 900
ataccgcgaa aatgatagag gatttgcaaa atgaactaaa gaccacggaa aactgcgaga 960

```



```

atcttcagcc ccagattgat gccattacaa atgatctgag acggattcag gatgaaaagg 1020
cattatgtga aggcgaaata attgataagc gaagagagag ggaaactcta gagaaggaga 1080
aaaagagtgt ggacgatcat attgtacgtt ttgacaatct tatgaatcag aagggaagata 1140
agctaagaca gagattccgt gacacgtatg atgctgtttt atggctaaga aataacagag 1200
acaaatttaa acaaagagtc tgtgagccca taatgctcac gatcaatatg aaagataata 1260
aaaatgccaa atatattgaa aatcatattc catcaaataa cttagagacc tttgtatttg 1320
aaagtcaaga agatatggag gttttcctca aagaggttcg tgacaataaa aaattaagag 1380
taaattgctgt tattgtctcc aagagttcat atgcagacaa agcaccttca agatcttga 1440
atgaacttaa acaatacggg tttttctctt atttgagaga attatttgat gcacctgatc 1500
ctgtaatgag ttacctttgc tgtcagtatc atattcatga agttcctgta ggaactgaaa 1560
agaccagaga aagaattgaa cgggtaatac aagaaacccg attaaaacag atttatacag 1620
cagaagaaaa gtatgtggtg aaaacttctt tttattcaaa caaagttatt tctagtaaca 1680
catctctaaa agtagcgag tttctcactg tcaactgtgga cctagagcag agaagacact 1740
tagaagaaca gctaaaggaa attcatagaa aattgcaagc agtggattca ggggttgattg 1800
ccttacgtga aacaagcaaa catctggagc acaaagacaa tgaacttaga caaaagaaga 1860
aggagcttct tgagagaaaa accaagaaaa gacaactgga acaaaaaaatc agttccaaac 1920
taggaagttt aaagctgatg gaacaggata cttgcaatct tgaagaggaa gagcgaaaaag 1980
caagtaccaa aatcaaagaa ataaatgttc aaaaagcgaa acttggtacc gaattaacaa 2040
acctaataaa gatttgtagt tctttgcata tacaaaaagt agatttaatt ctccaaaata 2100
ctacagtgat ctctgagaag aacaaattag aatcagatta tatggccgca tcttcacaa 2160
tccgtcttac agagcaacat ttcattgaat tggatgaaaa tagacagaga ttattgcaga 2220
aatgcaagga acttatgaaa agagctaggc caagtaccca tggatgaaat tgatgcttta ttaactgaag 2400
ttctcaaga ataccagaca ccaaacacat tggatgaaat tgaatcctac aattgttcag gaatatataa 2460
ccatggtrtt agcttcctgc ttcacgggac cagttaactg aggaactaaa gggaaagaaa gttgaactag 2520
aaagatcaag agcttcctgc ttcacgggac cagttaactg aggaactaaa gcttaatcct ttaaaagagc 2580
aaagagaaga agaaaacatt tcacaggtaa aaattcagca attttttttag ttcctatgcag tgtgctgggtg 2640
atcaatacag aattaatgaa aatgaggaag attatgataa atatggaatt cgaattagag 2700
tggtagaaaa ccatcacagaa caactgcatg aattaactcc tcatcatcaa agtggagggtg 2760
aagttgatct aagtagtact ttatacttga tggcacttca ggagctaaat agatgtccat 2820
aaagaagtgt ttaccatgt aatcagggaa tggacccaat caatgaacgg agagtgttg 2880
tcagagtgt tgatgaaatc aaatactgcc tgtaaagaaa atacatctca atacttttcc ataacacca 2940
aaatggtrgt aaatactgcc aaatcttctt tattctgaaa agatgacagt tttgtttgtc tacaatggcc 3000
agctcctgca ggaaccaaac acatggaatt taaaggcttt ccaaaggcgg cggcgccgta 3060
ctcatatgct tcaaccttct taataaaaagt aaagagaggg aacttgggaa ttttttttgt 3120
ttacattcac tcaaccttct taataaaaagt aaagagaggg aacttgggaa ttttttttgt 3180
taaattctgt ttataagtat ggctcaactg aataaaaagg gattcactaa aacgaaaagc 3240
agttattttt ggaaacctgc ttttaaatac aaataggttg ataatggaa ctaaatgac 3257
ctttccaaaa tagcagc

```

&lt;210&gt; 104

&lt;211&gt; 1945

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte clone 2762174CB1

&lt;400&gt; 104

```

caggggactt agacctggtt gttggcatgg agtggaggat gaagaggtat cttctgagca 60
gagcattttt gtagtaggag tgtcagaggt caggactctc atggcagagc tggagtctca 120
cccattgtgac atatgtggcc caatattgaa agatacctta cacctggcta aataccattg 180
gggaaaagcc aggcagaaac catacttggtg tggggcatgt tgaaaagcaat tctgggttcag 240
tacagacttt gaccagcacc agaaccagcc caatggaggg aaacttttcc caaggaaagg 300
gggcagagac tctgtgaaaa gctgcagagt ccatgtgccca gagaagaccc tcacatgttg 360
gaaaggtagg agagactttt cagccacatc tggccttctt cagcatcagg cctctctcag 420
cagcatgaag cccacaaga gcaactaagct tgtgagtggc tttctcatgg gacagaggtg 480
tcacaggtgt ggtgaatgtg ggaaagcctt caccgcgcaa gacacacttg ctcggcata 540
gagaaaccac actggagaaa ggcttatga gtgtaacgaa tgtgggaaat tcttcagcca 600
aagctatgac ctctttaaac accagacagt tcacactgga gaaaggccat acgagtgcag 660
cgaatgtggg aaattcttta gacaaatctc cggcctgatt gagcacaggc gagttcacac 720
gggtgaaaaga ctctatcagt gtggcaaatg tgggaaattt ttagcagta agtctaattc 780

```

|            |             |            |             |            |            |      |
|------------|-------------|------------|-------------|------------|------------|------|
| cattcgacac | caggaagttc  | acacaggagc | caggccttat  | gtatgcagcg | aatgtgggaa | 840  |
| agagttcagt | cggaacacaca | cacttggtct | gcaccaacga  | actcacactg | gagaaaggcc | 900  |
| ttatgagtgc | agtgaatgtg  | ggaaggcctt | tagccaaagc  | tcccacctta | atgtacactg | 960  |
| gagaattcac | agcagtgatt  | atgagtgtag | cagatgtggg  | aaagctttca | gctgcatctc | 1020 |
| caaactcatt | cagcaccaga  | aagttcactc | tggagaaaag  | ccttatgagt | gcagcaagtg | 1080 |
| cgggaaagcc | ttcactcaaa  | gacccaacct | catcaggcac  | tggaaagtcc | acactgggga | 1140 |
| aaggccttat | gtgtgtagtg  | agtgcgggag | agaattcatc  | cggaaacaga | cacttggtct | 1200 |
| gcaccagagg | gttcattgctg | gagaaaagct | ttaagagtgt  | agcaaagtgt | ggggaagtc  | 1260 |
| ttaggccaat | gccccgact   | tactatatgg | tggggaacta  | gcagtagtta | atgagtgcag | 1320 |
| cagatgcagg | aaagccttcc  | cctggagggt | gaaccttacc  | cgccattggg | aatttcacac | 1380 |
| cggacacagg | ccttagcagt  | ctaagcaatg | tgctgtctct  | gttcagccca | acagctcacc | 1440 |
| ctagagtggg | actctgggag  | cagccattgg | gagggaaacca | tcagtaagaa | gtgaaacttc | 1500 |
| atagatatgg | acattcccac  | tggggagatt | ccctgtgagt  | gccaagtatg | tgagatgctt | 1560 |
| tcagcagctg | tgttgcactt  | tttaaatggc | tattggcctt  | tgctggggca | ggagccatct | 1620 |
| gctcctacca | tctggcagaa  | tcatactgcg | tttaccattt  | accccagcat | gcttgtgacg | 1680 |
| ggcagacctc | tcttctctcc  | ccagtcccta | aaaggtgttg  | tgagtgggtc | cacagcccac | 1740 |
| taggggtctt | aatttcctct  | cttttgatgt | aaatggcatg  | gaaataatca | gctttgttca | 1800 |
| agaggacaca | gaaggattct  | gcaaatagcc | tgacagagact | tacctgtgtt | gattgatttc | 1860 |
| atatgatgct | cgttatggat  | atatccaata | tccaagtcac  | ccagctctgg | aactgcctgc | 1920 |
| ttcacattgc | tcatgataat  | aaagg      |             |            |            | 1945 |

&lt;210&gt; 105

&lt;211&gt; 1829

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte clone 2765991CB1

&lt;400&gt; 105

|             |            |            |             |            |             |      |
|-------------|------------|------------|-------------|------------|-------------|------|
| gcaacttctt  | gcctcttctc | aatatagaat | tcaaagattt  | gagaggatct | gcaagctttt  | 60   |
| tcctgaaacc  | aagtacctct | ggtgacagtt | tacaaagtgg  | aagcattcca | ttggcaaatg  | 120  |
| aatccttgga  | gcacaaacct | gtatccagtt | tagcagaacc  | tgacttgatc | aactttatgg  | 180  |
| acttcccaaa  | acataaccag | atcataactg | aagaaacagg  | ctctgcagtt | gaaccaagtg  | 240  |
| atgaaataaa  | gagagccagt | ggagatgtcc | aaactatgaa  | aatttcatct | gtgcctaata  | 300  |
| gtttatcaaa  | gcgaaatgtg | tctttgactc | gaagtccacg  | tgttggaggc | ccattgcaga  | 360  |
| atattgactt  | taccagcgga | ccgtttcatg | gcatctcaac  | agttagtctt | ccaggtagtc  | 420  |
| tgacaggaagt | tgtggatcct | ttaggaaaaa | gacccaatcc  | tccccctgtt | tctgtgccct  | 480  |
| acttgagtcc  | tctagtactc | cgtaaagaac | ttgaatcttt  | gctagaaaaa | gaaggtgatc  | 540  |
| aggtgattca  | tacattctct | ttcatcaatc | aacatccaat  | cattttcttg | aacctcgtt   | 600  |
| ggtaatttcag | acgtttggac | cttcttagta | acttgccagg  | acttatectc | acatctgaac  | 660  |
| attgtaatga  | aggtgtacag | cttctctgtt | catctctgtc  | ccaggatagc | aaacttgtgt  | 720  |
| atattcgggt  | gttatgggat | aatatcaacc | ttcatcagga  | accaagagaa | cctctgratg  | 780  |
| tctcatggag  | gaattttaat | tctgaaaaga | aatcatctct  | cctgtcagag | gaacaacaag  | 840  |
| aaacaagcac  | tttagtagaa | accatcaggc | agagtattca  | gcacaataat | gttcttaaac  | 900  |
| ccatcaacct  | actttcacag | caaatgaagc | caggcatgaa  | aagacaaagg | agtttataca  | 960  |
| gagaaatcct  | cttcttatca | ttagtgtctc | taggaagaga  | gaatattgat | attgaggcat  | 1020 |
| ttgacaatga  | atatggaatt | gcatacaata | gtctgtcttc  | agagattctt | gaaaggttgc  | 1080 |
| agaaaattga  | tgctccacca | agtgccagtg | tcgagtgggtg | caggaagtgt | tttggagcgc  | 1140 |
| ctctcattta  | aatagagatt | cactagaatg | ttgacacaca  | aggcttgggg | attagatttc  | 1200 |
| atctggaaac  | attcaagttt | ttttttccaa | atcgtaagaa  | ctggtgaata | cggaattgaa  | 1260 |
| gtaactcttg  | gggacaatat | ataatgaatt | atgattcata  | ttgcattacc | ttgaaatatg  | 1320 |
| aagtgccatt  | tgaatgtccc | agggcttatt | aatattgaag  | attttcaacc | cctgaactgc  | 1380 |
| ttttctgcct  | ctgtggaaaa | ctactttggg | attcttcagt  | attttagtag | gtttgataga  | 1440 |
| aataatgagg  | aacctatatt | attctaggca | ttgtttatat  | ttgaagttac | tgagtttgag  | 1500 |
| gaatggcaaa  | ttaaatttgc | ctaaccacca | aaacaaatga  | aatatctcaa | ttataaaaagc | 1560 |
| aacatggccg  | ggcacgggtg | ctcaggcctg | taatccagc   | actttgggag | gctgagcaag  | 1620 |
| gtgggtggat  | cacttgaggc | caggagtctg | agaccagcct  | ggccaacacg | gtgagacctt  | 1680 |
| gtctttacta  | aaaatacaaa | aattagccag | gcgcaccact  | gtagtcccag | ctactcaggc  | 1740 |
| tgaggcgagg  | gaatcgcttg | aactgaggca | gaggctacag  | tgagtggaga | tcacgccact  | 1800 |
| gcaactccag  | cttgggtgac | agagtgagc  |             |            |             | 1829 |

<210> 106  
 <211> 1353  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte clone 2775157CB1

<400> 106  
 cccacgcgtc cgccccacgcg tccgcccacg cgtccgatgc cttgtcccat gctgctgccc 60  
 tcaggcaagg tcatcgacca gagcacactg gagaagtgtg accgcagtga agccacatgg 120  
 ggccgagtg cccagtgaccc ttccacgggg gtatgtttta ctccgcactc tcagcccttg 180  
 cctcaccctt cctcacaagg ccggtattgac catttcctgc tccagcactc catccctggc 240  
 tgccacctgc ttgggagagc acagacggga ttggcagtga tcccttcttc cattgttctg 300  
 ccctctcaga aaaggaagat agagcaggct gaacatgtcc cagacagtaa ctttggtgta 360  
 aatgcttctt gtttttctgc cacaagccct ttggtcttac ccactacctc agagcacact 420  
 gctaagaaaa tgaaagccac caatgagccc agcctgacac atatggactg ttcgacaggt 480  
 ccactgtccc acgagcagaa gctgtcacia agcttggaat ttgccttggc atccaccctt 540  
 ggctctatgc cctccttcac ggcacggctg accaggggac agctccagca ccttggcaca 600  
 agagggagca acacttctct gaggcctggc accggctcgg agcagcctgg gagcatcctg 660  
 ggccccgaat gtgcctcctg caaaagagta ttttctccct acttcaaaaa ggagccgggtg 720  
 taccagctgc cctgcggcca cctcctgtgc cgccctgccc tgggtgagaa gcaacgctcc 780  
 ctgccccatga cgtgcacagc ctgccagcgg ccggttgcta gccaaagacgt gctgcgggtc 840  
 cacttctgag tgactgacct ccactggagg agaccattg ctgggaggag ctgaggggga 900  
 acaggagcag ggccacagca cccctgaggt ctggccaggc ccaggcaca gagctgctg 960  
 ctccctcccg gggctcttct tcatcacctc acggtatagc acattgcttc tgcgtgggtg 1020  
 gcaatagggc aacaaagcca taggccagag ggcgggggga tgcctctgcc tccctgccac 1080  
 cccactgcc tgagcccagg acccactgga gccagcccca ccctaggcag gaagaccctt 1140  
 gctgagggcc ccccggtgca gtccgcatac cccctgtccc agcagggcac tgtgggtggc 1200  
 tcaccctaga tctgggcca gatctcagga gtctctgcct tcaggggtcat ccaaaagtgg 1260  
 accttgggag cagtgggggt gtctgtggag tgcattgact agcccccca ctcgcagcct 1320  
 taataaagcg atggttgacg tctaaaaaaa aaa 1353

<210> 107  
 <211> 1025  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte clone 2918375CB1

<400> 107  
 gggccacttc gggccccgcg tgaccgcctt tctccccgca ccgcccggaca gggacccagg 60  
 ctcttggtga tgctgcgtct cagctccgga gctgactaag gctttggaac agaaaccaga 120  
 tgatgcacag tattattgtc aaagagctta ttgtcacatt cttcttgga attactgtct 180  
 tgctgttgct gatgcaaaga agtctctaga actcaatcca aataattcca ctgctatgct 240  
 gagaaaagga atatgtgaat accatgaaaa aaactatgct gctgccctag aaacttttac 300  
 agaaggacaa aaattagata gtgcagatgc taatttcagt gtctggatta aaagggtgca 360  
 agaagctcag aatggctcag aatctgaggt gtggactcat cagtcaaaaa tcaagtatga 420  
 ctggatatcaa acagaatctc aagtagtcat tacacttatg atcaagaatg ttcagaagaa 480  
 tgatgtaaat gtggaatttt cagaaaaaga gttgtctgct ttggttaaac ttccttcttg 540  
 agaggattac aatttgaaac tggaaactct tcactctata ataccagaac agagcacgtt 600  
 taaagtactt tcaacaaaga ttgaaattaa actgaaaaag ccagaggctg tgagatggga 660  
 aaagctagag gggcaaggag atgtgcctac gccaaaacaa ttcgtagcag atgtaaagaa 720  
 cctatatcca tcatcatctc cttatacaag aaattgggat aaattgggtg gtgagatcaa 780  
 agaagaagaa agaattgaaa agttggaggg agatgcagct ttaaacagat tatttcagca 840  
 gatctattca gatggttctg atgaagtga acgtgccatg aacaaatcct ttatggagtc 900  
 ggggtggtaca gttttgagta ccaactggtc tgatgtagg taaaggaaa ttgaaatcaa 960  
 tctcctgat gatatggaat ggaaaaagta ctaataaat taatttgctc tcaaaaaaaa 1020  
 aaaaa 1025

<210> 108  
<211> 3641  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte clone 3149729CB1

<400> 108  
gactacgtcg agccccagcg gctgatggct gtctggcggg cgctgtggat ggaggggggc 60  
cggctccgca cgactccccg gacggcggtt ctctcccgag cggcgccggt ttcggcttgg 120  
ggggggcggg gtacagccca tccatgacca tgggcgacaa gaagagcccc accaggccaa 180  
aaagacaagc gaaacctgcc gcagacgaag ggttttggga ttgtagcgtc tgcaccttca 240  
gaaacagtgc tgaagccttt aaatgcagca tctgcgatgt gaggaaaggc acctccacca 300  
gaaaacctcg gatcaattct cagctggttg cacaacaagt ggcacaacag tatgccaccc 360  
caccaccccc taaaaaggag aagaaggaga aagttgaaaa gcaggacaaa gagaaacctg 420  
agaaagacaa ggaaattagt cctagtgtta ccaagaaaaa taccaacaag aaaaccaaac 480  
caaagtctga cattctgaaa gatcctccta gtgaagcaaa cagcatacag tctgcaaatg 540  
ctacaacaaa gaccagcgaa acaaatcaca cctcaaggcc cgggctgaaa aacgtggaca 600  
ggagcactgc acagcagttg gcagtaactg tgggcaacgt caccgtcatt atcacagact 660  
ttaaggaaaa gactcgctcc tcatcgacat cctcatccac agtgacctcc agtgacgggt 720  
cagaacagca gaaccagagc agctcggggt cagagagcac agacaagggc tcctcccggt 780  
cctccacgcc aaagggcgac atgtcagcag tcaatgatga atctttctga aattgcacat 840  
ggaattgtga aaactatgaa tcagggtatg aaattcaaaa cctccacctg cccatgctgc 900  
ttgcatccct ggagaatctt ctgtggacat cgacctctta gtgatgctgc caggataatt 960  
tctgcttgcc atgggcatct ggccaccaag gaatttcgca ccctgacgat tactcttgac 1020  
acttttatgt attccattgt tttatatgat tttcctaaca atcatttata attggatgtg 1080  
ctcctgaatc tactttttat aaaaaaaaaa aaaatctgct gtgcacaatt ttccatgtac 1140  
attacaactg gttttttgtt tttgttttgt tgccgggtggg gagggctggg agggggaggg 1200  
aacttttatt tattgtgttc aaaaactcca tcctttcagc atatcctttt aagtttagtt 1260  
ctttcttcca gttatactat gtactatcag ttttgatata actatatata tataaatata 1320  
aaattatata taaagggtaa tttgaaacca atccatggca acgctgggtc ttgatacact 1380  
gtgaagtga tacaacattg aacagttaca gatctgggac agtcccttct atgaaagtgc 1440  
tgaaatttaa ttaaaatcag tcttacatga agtatgttcc aatccatgtg ggaacttgac 1500  
tctctcatct gtctaaagag tactggacga tataaaaaata tatatttttt aaacaatgtg 1560  
atctcaaat taaagactgc tccagatagc ctgcatttgc aatggaataa ctgacaaatc 1620  
acaagtgggt tagttgggca gggctttgat ttttgatata taactaaagt agctccagaa 1680  
tgccaagtat tcgtgtaaat tacggttaca tgttatcatt tgctgttctt acataagcac 1740  
tcatgaaaat atggtattct gtaacttgaa ttccatccat tttccagacg tctactcatg 1800  
tctgaggtaa atctagaaat tgtcttagtt ttaggattga aacagtctat aaactgtatt 1860  
tttggtccat ccaggaagct agtcccttgt ttctccttct tacatgacat tgcagtgggt 1920  
gtttctgtaa ttaaaatttg tttgcctcat gtccctttgt ctgataaacc ttcactctac 1980  
cgattcagtt gtgagcattc tttttttcct tctcaaaacc tactatgatt tgttttactg 2040  
aacaaggtt atcaaccaca catccagtc tgcacatggag cttttcagtg tttggagaca 2100  
tttctcaatc cctgctgtg gtaggaactc cagtgggtgaa cggcttgccg gcctgcagcc 2160  
agagttgcag ggaaagctcg tacttactgc gaggcagcatg taatcttttt tcttcttggg 2220  
cataaagata gcttgagtaa actgttctat ttcatctct tcaactcttt tactgtcttg 2280  
caaaaaaaaa aaataataat aataataatc aagagaccact aataagattc cacctctcct 2340  
tattaaaaata attttttaaa attttgtttt gcttttgttt ggatgtgggg tctctcttct 2400  
atttgacctt tacatttaga tacagagttt gtagtacttc agagacattt caagcatgag 2460  
aatttgagggt tacctctctt tatttgacct ttagggactc acgggagggc agcctgattt 2520  
gtaatgaagc accacatttt ggtgttaaaa acctggtttg ctttaataata gcagtaattt 2580  
ctgtctgttg aggcaacaaa taaaaaatt tctgtactac taatgtacca taattttaat 2640  
ggttcccttc acatttacat taaaactatt ctgtagtac ttgctgtggg cctattctca 2700  
tcttttctca aaggatatga ttataaagca gtgccatttg ttgtctgggt tgcaagcttt 2760  
aatgcagga caatgttccc ccctttttta aataatgctt gtgtctggga aatcagatgc 2820  
gcttatcttt ttaaatacat ttttaaagta tttattaatg aaccaaagga aatcagatgc 2880  
tttctataag catcagaata tataatacat agtgatttga ctatgaattt taaatccaca 2940  
ttttaaattt ggtgggatat tgcaaagaca ttcttcttaa agttttaata ttccttttat 3000  
taagggctct agggagggtg aattagtcag ccatatttat tttccagagg ttaagaaat 3060  
tgctgttttt aactttttga aaaaacttaa atgccaccaa actcatgtag gttgcactgc 3120  
ttattgaacc aataactgtt ggtatgcact ttgttcagac acactgtgta ctttttcaaa 3180  
aactagtttc atgtaaaagt attggacccc atagattagt ggaaaaagct gattaaccag 3240

|            |            |             |            |            |            |      |
|------------|------------|-------------|------------|------------|------------|------|
| ctactcatag | gctgctaatt | cattcatgcc  | aatgttttgg | tttttcagtt | ttgcctccgt | 3300 |
| gataaattaa | agaatgggga | ggggtgaagg  | aaggggaaga | agattgcttt | agaacaagtg | 3360 |
| gcatgaaatt | accatctttg | tagaaaaccgc | agctaacagt | gggagttatc | taagcaatca | 3420 |
| gatgttacag | ggccagccct | ttagctgctg  | tggtgtattc | tggtgggtag | tgaggtagta | 3480 |
| ggtactttat | agacttttaa | ttttggaaat  | tgatgacatc | cctcaggcat | gtattctggg | 3540 |
| aatggaattc | ctgtaacttc | ctgtgtctgc  | agtatgccct | acaattagta | ggcagcgtgt | 3600 |
| aaaaacacta | gtgtagatta | taaagggtata | cattaaaaag | g          |            | 3641 |

&lt;210&gt; 109

&lt;211&gt; 699

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte clone 3705895CB1

&lt;400&gt; 109

|             |            |            |            |             |            |     |
|-------------|------------|------------|------------|-------------|------------|-----|
| gccgcgcgca  | cacgctcaag | gccgggatgg | cggcggcggc | ggcggcagga  | agcgggacgc | 60  |
| cccagagagga | ggagggacct | gctggggagg | cagcggcctc | gcagccccaag | gccccaacga | 120 |
| gtgtgcctgg  | ggctcgtctc | tcgaggttgc | ctctggcgcg | agtgaaggcc  | ttggtgaagg | 180 |
| cagatcccga  | cgtgacgcta | gcgggacagg | aagccatctt | cattctggca  | cgagccgcgg | 240 |
| aactgtttgt  | ggagaccatt | gcaaaagatg | cctactgttg | cgctcagcag  | ggaaaaagga | 300 |
| aaacccttca  | gaggagagac | ttggataatg | caatagaagc | tgtggatgaa  | tttgcttttc | 360 |
| tggaaggtac  | tttagattga | ttgccgagcg | gggcagtttt | gtgagccttc  | atctgaagcc | 420 |
| ttcagttcac  | ccctctgcac | aggcctcagc | tttgaagaac | ggagtctttg  | cacttacaca | 480 |
| cactcttctc  | gttctgcctt | cacctatgcc | gggataagca | gagatctcat  | caattagctc | 540 |
| ttctctgcaa  | ggtcttccac | tatttctgtc | tgtcttccat | atcaagcctc  | gatgcagctg | 600 |
| ctgctgctta  | gagcagagat | gaagaaaagt | ttctgcataa | gtggcttctc  | gaatgatgag | 660 |
| gaccagaata  | aaggtttttg | atcaacctca | aaaaaaaaaa |             |            | 699 |

&lt;210&gt; 110

&lt;211&gt; 2186

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte clone 003256CB1

&lt;400&gt; 110

|             |             |             |             |            |             |      |
|-------------|-------------|-------------|-------------|------------|-------------|------|
| attccgtaaa  | ccctgtttgc  | gtattttgac  | tgtatgttct  | ttaaagattt | ctgcagagct  | 60   |
| caagtgaagt  | tgagagccca  | gctgtgccat  | cttcatcaag  | acagccccc  | gctcagcctc  | 120  |
| cacggacagg  | atccgagttc  | cccaggctgg  | agggagcccc  | ggccacaatg | acgcccagc   | 180  |
| tggggcgagg  | tgtcttggaa  | ggagatgatg  | ttctctttta  | tgatgagtca | ccaccaccaa  | 240  |
| gacaaaaact  | gagtgtttta  | gcagaagcca  | aaaagttagc  | tgctatcacc | aaattaaggg  | 300  |
| caaaaaggcca | ggttctttaca | aaaacaaacc  | caaacagcat  | taagaagaaa | caaaaggacc  | 360  |
| ctcaggacat  | cctggagggtg | aaggaaacgtg | tagaaaaaaa  | caccatgttt | tcttctcaag  | 420  |
| ctgaggatga  | attggagcct  | gccaggaaaa  | aaaggagaga  | acaacttgcc | tatctggaat  | 480  |
| ctgagggaatt | tcagaaaatc  | ctaaaagcaa  | aatcaaaaca  | cacaggcatc | ctgaaagagg  | 540  |
| ccgaggctga  | gatgcaggag  | cgctactttg  | agccactggt  | gaaaaaagaa | caaatggaag  | 600  |
| aaaagatgag  | aaacatcaga  | gaagtgaagt  | gccgtgtcgt  | gacatgcaag | acgtgcgcct  | 660  |
| ataccacact  | caagctgctg  | gagacctgcg  | tcagtgaagca | gcatgaatac | cactggcatg  | 720  |
| atgggtgtgaa | gagggttttc  | aaatgtccct  | gtggaaaacag | aagcatctcc | ttggacagac  | 780  |
| tcccgaacaa  | gcaactgcagt | aactgtggcc  | tctacaaatg  | ggaacgggac | ggaatgctaa  | 840  |
| aggaaaagac  | tggtccaaag  | ataggaggag  | aaactctgtt  | accaagagga | gaagaacatg  | 900  |
| ctaaatttct  | gaacagcctt  | aaataacccg  | aacttcagac  | attttccac  | agacttccctg | 960  |
| gcctcctgtg  | actctggaaa  | gcaaaggatt  | ggctgtgtat  | tgtccattga | ttcctgattg  | 1020 |
| acgccgtcaa  | aaacaaatgc  | ttgttaagcc  | cataagcttt  | gcctgcttac | tttctgccat  | 1080 |
| tggggttggtt | tgataccaca  | tttaacattg  | acatttgaat  | ggaaaaccaa | gttatcattg  | 1140 |
| tcttttctaa  | gctcagtggtg | gatgattgca  | ttacttcatt  | cactgaagtt | tttgcccaaa  | 1200 |
| aattggaagg  | taaacagaga  | gctatgtttc  | tgtatctttt  | ggttatagag | tgttcacttc  | 1260 |

|             |             |             |              |             |             |      |
|-------------|-------------|-------------|--------------|-------------|-------------|------|
| tttatcataa  | caaaattcta  | gtgttttatac | gaacacccag   | aggcaaaaaga | atgttggttta | 1320 |
| attctcactc  | caggtaagta  | gcttaacttc  | tggtgttcag   | ttttctcatc  | tgtaaaaatca | 1380 |
| ggaagattgg  | actaagtgat  | cctgaaatgt  | atgttttttagc | actggatttc  | tacaaaataat | 1440 |
| aaaactttcc  | catctagata  | atgatgatca  | catagtcttg   | atgtacggac  | attaaaagcc  | 1500 |
| agatttcttc  | attcaattct  | gttatctctg  | ttttactctt   | tgaaattgat  | caagccactg  | 1560 |
| aatcactttg  | catttcagtt  | tatatataga  | gagagaaaaga  | aggctgtctg  | ctcttacatt  | 1620 |
| attgtggagc  | cctgtgatag  | aaatatgtaa  | aatctcatat   | tatttttttt  | tttaattttt  | 1680 |
| ttatttttta  | tgacagggtc  | tcactatgtc  | accctggctg   | gagtgcagta  | gtgcgatcgc  | 1740 |
| ggcacactgc  | agccttggct  | tccctgggct  | caagcagtc    | tcccacctca  | gtctcccaa   | 1800 |
| tagctaggac  | tacaggcgtg  | cgtgaccaag  | cccagcta     | ttttgcattt  | ttttagagaga | 1860 |
| tggggttttg  | ccatgttgct  | caggctggct  | tcaaactcct   | gagcactagc  | aatccaccac  | 1920 |
| ctcgnrtttca | aaaaagaaaa  | aaaaaccccg  | ggggggggcc   | ccgaactcaa  | ttggccccaa  | 1980 |
| agggggggcg  | gaataaaaa   | tcagggggcc  | gggggggttt   | aaaaaggcgg  | aaaactgggg  | 2040 |
| aaacacctct  | gggggggtacc | ccaagttaaa  | gggcgccttt   | caggcctngt  | gnccggatgt  | 2100 |
| agagggggat  | gacnnngca   | gtattttctg  | gggagtaaga   | ggccgcgagt  | gcgtgcaggg  | 2160 |
| aggactgtgc  | gagtgagggg  | aggggtg     |              |             |             | 2186 |

&lt;210&gt; 111

&lt;211&gt; 2133

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte clone 156986CB1

&lt;400&gt; 111

|             |             |             |             |             |             |      |
|-------------|-------------|-------------|-------------|-------------|-------------|------|
| gttccctcgtc | tgccagccgg  | cttggetagc  | gcgcggcgcc  | cgtggctaag  | gctgctacga  | 60   |
| agcgagcttg  | ggaggagcag  | cggcctgcgg  | ggcagaggag  | catcccgtct  | accagggtccc | 120  |
| aagcggcggtg | gcccgcgggt  | catggccaaa  | ggagaaggcg  | ccgagagcgg  | ctccgcggcg  | 180  |
| gggctgctac  | ccaccagcat  | cctccaaagc  | actgaacgcc  | cggcccaggt  | gaagaaaaga  | 240  |
| ccgaaaaaga  | agaaacaaca  | gttgtctgtt  | tgcaacaagc  | tttgctatgc  | acttggggga  | 300  |
| gccccctacc  | aggtgacggg  | ctgtgccctg  | ggtttcttcc  | ttcagatcta  | cctattggat  | 360  |
| gtggctcagg  | tgggcccctt  | ctctgcctcc  | atcatcctgt  | ttgtggggcg  | agcctgggat  | 420  |
| gccatcacag  | accccctggg  | gggcctctgc  | atcagcaaat  | ccccctggac  | ctgcctgggt  | 480  |
| cgccctatgc  | cctggatcat  | cttctccacg  | cccttggcgg  | tcattgccta  | cttccctc    | 540  |
| tggttcgtgc  | ccgacttccc  | acacggccag  | acctattggg  | acctgctttt  | ctattgcctc  | 600  |
| tttgaacaa   | tggtcacgtg  | tttccatgtt  | ccctactcgg  | ctctcaccat  | gttcatcagc  | 660  |
| accgagcaga  | ctgagcggga  | ttctgccacc  | gcctatcgga  | tgactgtgga  | agtgtctggc  | 720  |
| acagtgtctg  | gcacggcgat  | ccagggacaa  | atcgtggggc  | aagcagacac  | gccttgtttc  | 780  |
| caggacctca  | atagctctac  | agtagcttca  | caaagtgcc   | accatacaca  | tggcaccacc  | 840  |
| tcacacaggg  | aaacgcaaaa  | ggcataacct  | ctggcagcgg  | gggtcattgt  | ctgtatctat  | 900  |
| ataatctgtg  | ctgtcatcct  | gaccttgggc  | gtgcgggagc  | agagagaacc  | ctatgaagcc  | 960  |
| cagcagctctg | agccaatcgc  | ctacttccgg  | ggcctacggc  | tggtcatgag  | ccacggccca  | 1020 |
| tacatcaaac  | ttattactgg  | cttccctctc  | acctccttgg  | ctttcatgct  | ggtggagggg  | 1080 |
| aactttgtct  | tgttttgcac  | ctacaccttg  | ggcttccgca  | atgaattcca  | gaatctactc  | 1140 |
| ctggccatca  | tgctctcggc  | cactttaacc  | attcccactc  | ggcagtggtt  | cttgaccggg  | 1200 |
| tttggcaaga  | agacagctgt  | atatgttggg  | atctcatcag  | cagtgccatt  | tctcatcttg  | 1260 |
| gtggccctca  | tggagagtaa  | cctcatcatt  | acatatgcgg  | tagctgtggc  | agctggcacc  | 1320 |
| agtgtggcag  | ctgccttctt  | actaccctgg  | tccatgctgc  | ctgatgtcat  | tgacgacttc  | 1380 |
| catctgaagc  | agccccactt  | ccatggaacc  | gagcccatct  | tcttctcctt  | ctatgtcttc  | 1440 |
| ttcaccaagt  | ttgcctctgg  | agtgtcactg  | ggcattttcta | ccctcagctc  | ggactttgca  | 1500 |
| gggtaccaga  | cccgtggctg  | ctcgcagccg  | gaacgtgtca  | agttttacact | gaacatgctc  | 1560 |
| gtgaccatgg  | ctcccatagt  | tctcatcctg  | ctgggcctgc  | tgtctttcaa  | aatgtacccc  | 1620 |
| attgatgagg  | agaggcggcg  | gcagaataag  | aaggccctgc  | aggcactgag  | ggacgaggcc  | 1680 |
| agcagctctg  | gctgctcaga  | aacagactcc  | acagagctgg  | ctagcatcct  | ctagggcccg  | 1740 |
| ccacgrrtgcc | cgaagccacc  | atgcagaagg  | ccacagaagg  | gatcaggacc  | tgtctgccgg  | 1800 |
| cttgctgagc  | agctggactg  | caggtgctag  | gaagggaact  | gaagactcaa  | ggaggtggcc  | 1860 |
| caggacactt  | gctgtgctca  | ctgtggggcc  | ccctgtctctg | tggcctcctg  | cctccccctt  | 1920 |
| gcctgcctgt  | ggggccaagc  | cctggggctg  | gcactgtgaa  | tatgccaaag  | actgatcggg  | 1980 |
| cctagcccgg  | aacactaatg  | tagaaacctt  | ttttttttaca | gagcctaatt  | aataacttaa  | 2040 |
| tgactgtgta  | catagcaatg  | tgtgtgtatg  | tatatgtctg  | tgagctatta  | atgttattaa  | 2100 |
| ttttcataaa  | agctggaaaag | caaaaaaaaaa | aaa         |             |             | 2133 |

<210> 112  
 <211> 1649  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte clone 319415CB1

<400> 112  
 cacgtgtttg gtttgctctg agcctaacct agagtgtctg cagcagtctt tcagttgagc 60  
 ttggggactg cagctgtggg gagatttcag tgcattgcct cccctgggtg ctcttcatct 120  
 tggattattc cttgggcctg aatgacttga atgtttcccc gcctgagcta acagtccatg 180  
 tgggtgattc agctctgatg ggatgtgttt tccagagcac agaagacaaa tgtatatcca 240  
 agatagactg gactctgtca ccaggagagc acgccaagga cgaatatgtg ctatactatt 300  
 actccaatct cagtgtgcct attgggcgct tccagaaccg cgtacacttg atgggggaca 360  
 tcttatgcaa tgatggctct ctctgtctcc aagatgtgca agaggctgac cagggaaacct 420  
 atatctgtga aatccgcctc aaaggggaga gccagggtgt caagaaggcg gtggtactgc 480  
 atgtgcttcc agaggagccc aaagagctca tgggccatgt ggggtgattg attcagatgg 540  
 gatgtgtttt ccagagcaca gaagtgaaac acgtgaccaa ggtagaatgg atattttcag 600  
 gacggcgctc aaaggaggag attgratttc gttactacca caaactcagg atgtctgtgg 660  
 agtactccca gagctggggc cacttccaga atcgtgtgaa cctgggtggg gacattttcc 720  
 gcaatgacgg ttccatcatg cttcaaggag tgagggagtc agatggagga aactacacct 780  
 gcagtatcca cctagggaac ctggtgttca agaaaacct tgtgctgcat gtcagcccgg 840  
 aagagcctcg aacactgggt accccggcag cctgaggcc tctggtcttg ggtggtaatc 900  
 agttggtgat cattgtggga attgtctgtg ccacaatcct gctgctccct gttctgatat 960  
 tgatcgtgaa gaagacctgt ggaaataaga gttcagtga ttctacagtc ttggtgaaga 1020  
 acacgaagaa gactaatcca gagataaaag aaaaaccctg ccattttgaa agatgtgaag 1080  
 gggagaaaac catttactcc ccaataattg tacgggaggt gatcgaggaa gaagaaccaa 1140  
 gtgaaaaatc agaggccacc tacatgacca tgcaccaggt ttggccttct ctgaggtcag 1200  
 atcggaacaa ctcaacttga aaaaagtcag gtgggggaat gccaaaaaca cagcaagcct 1260  
 tttgagaaga atggagagtc ctttcatctc agcagcgggt gagactctct cctgtgtgtg 1320  
 tcctgggcca ctctaccagt gatttcagac tcccgcctc ccagctgtcc tctgtctca 1380  
 ttgtttggtc aatacactga agatggagaa tttggagcct ggcagagaga ctggacagct 1440  
 ctggaggaac aggcctgctg aggggagggg agcatggact tggcctctgg agtgggacac 1500  
 tggccctggg aaccaggctg agctgagttg cctcaaacc cccgttggt cagaccctcc 1560  
 tgtgggcagg gttcttagtg gatgagttac tgggaagaat cagagataaa aaccaaccca 1620  
 aatcattcct ctggcaaaaa aaaaaaaaaa 1649

<210> 113  
 <211> 714  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte clone 635581CB1

<400> 113  
 cttgtgggct aggtgcccag gagccactga gaacagaaga cttgttgctg ctctagagga 60  
 cctatggtag ggcagacaga ggatgataca gctcagcagc ttgtccctac gtgtggcatg 120  
 aaagggtgtt gagagagaat agtggagtat gtgtccaaca ttccagcact tcagagagct 180  
 accccaagg gactggcttc tgtttcacct gacttggagc acaggcagga gtggacatac 240  
 tctaaaagcc cactgatggg aaagggcacc aggttggagg cctctgaaaa caagagagct 300  
 ggggtggctt cagcagctcc agagaacctg aagtaccaca gacagatagc acagggagca 360  
 aaagattatg agatcctgaa aaaggaaacg aacaagttca tcttgagaat ttatacacac 420  
 tggtcgagaa gaagcatcct caggaaaagg tcaaaaggca tgcagaatct ctagttaggc 480  
 cgatcagtag ggaatcttct ctgtacagag ccagaccaca aagactggga ngggtgatat 540  
 tttttcaaat gcttggatcc caacatgatg ttaaaagaca caccaagaaa taaggaaaca 600  
 tggcacaatc aaagagtcaa aattatccag gaccctactt taaggaaacc cagttatctt 660  
 ccattatcct cagaaggatt tccagcctaa ccaccattaa acatgttcac gtgg 714

<210> 114  
 <211> 1165  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte clone 921803CB1

<400> 114  
 cgtacgagat gcgaggaggg agtggagaga gggcaggtaa ttcggaggag ggaagaggca 60  
 gccccctgcc cggccagctc gtgactaatt taggcaaaag gcagcctgga gctattttcca 120  
 ttcggcgggcg ggaacagggt cgggcgcctc cgccccatcc ccaggggccg cctccccccg 180  
 ggcggcctcc aggtgccga gacctataaa ggcgccagggt tttctcaatg aagccgggac 240  
 gcaactccga ggcactgcg tggtcgcacc ctaccgggc tgccttgga gtcgtccccg 300  
 ccgccccctc gcaccggcat gaagctcatc gtgggcatcg gaggcattgac caacggcggc 360  
 aagaccacgc tgaccaacag cctgctcaga gccctgcccc actgctgcgt gatccatcag 420  
 gatgacttct tcaagcccca agaccaaata gcagttgggg aagacggctt caaacagtgg 480  
 gacgtgctgg agtctcttga catggaggcc atgctggaca ccgtgcaggc ctggctgagc 540  
 agcccgccga agtttgcccg tgcccacggg gtcagcgtcc agccagaggc ctcggaacac 600  
 cacatcctcc tcctggaagg ctctctgctc tacagctaca agccccctgt ggacttgtag 660  
 agccgcccgt acttctctgac cgtcccgtat gaagagtgc aagtggaggag aagtaccgcg 720  
 aactacacag tccctgatcc ccccggcctc ttcgatggcc acgtgtggcc catgtaccag 780  
 aagtataggc aggagatgga ggccaacggt gtggaagtgg tctacctgga cggcatgaag 840  
 tcccagagag agctcttccg tgaagtccgt gaagacattc agaactcgt gctgaaccgc 900  
 tcccaggaat cagccccctc cccggctcgc ccagccagg caacagggacc cggacgcgga 960  
 tgcggccaca gaacggccag gcctgcagcg tcccagcagg acagcatgtg agcgtttccc 1020  
 tatgggggtg tctgtacgta ggagagtgga ggccccactc ccagttgggc gtcccgagc 1080  
 tcagggactg agccccaaga cgcctctgta acctcgtctc agcttcagta gtaaaactggg 1140  
 tcctgttttt tataaaaaaa aaaaa 1165

<210> 115  
 <211> 2143  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte clone 1250492CB1

<400> 115  
 tgcagcaagt gctgcgagga cttggaggag ggcagaggag ggcaggatgt ccctgtcaag 60  
 gctcctgaga cctttgataa cataaccatt agcagagagg ctcagggtga ggtccctgcc 120  
 tcggactcaa agaccgaatg cagggccttg taggggacgc cccagattgt cagggatggg 180  
 gggatggtcc ttgagttttg catgctctcc tccctcccac tctgcaccc tttcaccacc 240  
 tcgaggagat ttgctcccca ttagcgaatg aaattgatgc agtcctacct aactcgattc 300  
 cctttggctt ggtgggtagg cctgcagggc actttttatt caaccctgg tcaactcagta 360  
 atcttttact ccaggaaggc acaggatggt acctaaagag aattagagaa tgaacctggc 420  
 gggacggatg tctaattcctg cacctagctg ggttggtcag tagaacctat tttcagactc 480  
 aaaaaccatc ttcagaaaga aaaggccag ggaaggaatg tatgagaggc tctcccagat 540  
 gaggaagtgt actctctatg actatcaagc tcaggcctct cccttttttt aaaccaaagt 600  
 ctggcaacca agagcagcag ctccatggcc tccctggccc agatcagcct gggtcagggg 660  
 acatagtgtc attgttttga aactgcagac cacaagggtg gggctctatc cacttcctag 720  
 tgcctcccac attccccatc agggcttcc cactgtggaca ggtgtgctag tccaggcagt 780  
 tcaacttgca tttccttgct ctcatgcttc ggggtggga gccacgctg aactagagt 840  
 caggctggat acatgtgctc acctgctgct cttgtcttcc taagagacag agagtggggc 900  
 agatggaggga gaagaaagtg aggaatgagt agcatagcat tctgccaaaa gggccccaga 960  
 ttcttaattt agcaaaactaa gaagcccaat tcaaaagcat tgtgggctaaa gtctaaccgt 1020  
 cctctcttgg tcagataaca aaagccctcc ctgttgatc ttttgaaata aaacgtgcaa 1080  
 gttatccagg ctcgtagcct gcatgctgcc accttgaat ccaggagta tctgcacctg 1140  
 gaatagctct ccacccctct ctgcctcctt actttctgtg caagatgact tccctgggtta 1200  
 acttccctct ttcacccac ccacccactg gaatctcttt ccaaactatt tccattttt 1260  
 ccacagatgg gctttgatta gctgtcctct ctccatgcct gcaaagctcc agattttttg 1320



```

ggaaagctgt acccaactgg actgcccagt gaactgggat cattgagtag agtcgagcac 1380
acgtgtgtgc atgggtcaaa ggggtgtgtt .ccttctcacc ctatagtcct tctctgtgcc 1440
ttccacagcc tcctgcctga ttacaccact gccccgccc caccctcagc catcccaatt 1500
cttcctggcc agtgcgctcc agccttatct aggaaaggag gagtgggtgt agccgtgcag 1560
caagattggg gcctccccc tcccagcttc tccaccatcc cagcaagtca ggatatcaga 1620
cagtcctccc ctgaccctcc cccttgtaga tatcaattcc caaacagagc caaatactct 1680
atatctatag tcacagccct gtacagcatt ttctataagt tatatagtaa atggctctgca 1740
tgatttgtgc ttctagtgtc ctcatttgga aatgaggcag gcttcttcta tgaaatgtaa 1800
agaaagaaac cactttgtat attttgtaat accacctctg tggccatgcc tgccccgccc 1860
actctgtata tatgtaagtt aaaccggggc aggggctgtg gccgtctttg tactctggtg 1920
atttttaaaa attgaatctt tgtacttgca ttgattgtat aataattttg agaccagggtc 1980
tcgctgtgtt gctcaggctg gtctcaaaact cctgagatca agcaatccgc ccacctcagc 2040
ctcccaaagt gctgagatca caggcgtgag ccaccaccag gcctgattgt aatttttttt 2100
tttttttttt tactggttat gggaaggag aaataaaatc ata 2143

```

<210> 116  
 <211> 1010  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte clone 1427838CB1

```

<400> 116
atcactagta gctgggtgctc caggctggcg gcgctcacct ttctcctagc cgggtgaccc 60
aggggattta ttttatgttg gctttctctg aaatgccaaa gccacccgat tattcagagc 120
tgagtgactc tttaacgctt gccgtgggaa caggaagatt ttcgggacca ttgcacagag 180
catggagaat gatgaacttc cgtcagcgga tgggatggat tggagtggga ttgtatctgt 240
tagccagtgc agcagcattt tactatgttt tggaaatcag tgagacttac aacaggctgg 300
ccttggaaca cattcaacag caccctgagg agccccttga aggaaccaca tggacacact 360
ccttgaaagc tcaattactc tccttgccct tttgggtgtg gacagttatt tttctggtac 420
cttacttaca gatgtttttg ttctataact cttgtacaag agctgatccc aaaacagtgg 480
gctactgtat catccctata tgcttggcag ttatttgcaa tcgccaccag gcatttgtca 540
aggcttctaa tcagatcagc agactacaac tgattgacac gtaaaatcag tcaccgtttt 600
ttccctacga ttacaaaact gccagtccta tatggagtct gatcacaaga ctgcagtttc 660
ttcacagatc tcaggaaagt gtcgtggggc agaggctttt taaaaacatg tgattaggga 720
gctatcttta tctgaataat aacgaatttt taggtaaaac ctgagataga gtactacaaa 780
atcatgttga tgacttcaga ttttggaagt taaatcatgt ctgttatttg cattctttag 840
aaacttgact aagtacctga attcatattt ctattctact gtgcaacata gtgatgattc 900
agaaattttt cctttgggga aaaaaatgaa tatgaacatt tccattgtgt taagtgtaaa 960
aaggctccaga catgatcata aaattttaat ttatataaat aaaaaaaaaa 1010

```

<210> 117  
 <211> 2059  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte clone 1448258CB1

```

<400> 117
aggggctcag atgactcagt gccagttatt tcatttaaag atgctgcttt tgatgatgtc 60
agtgttactg atgaaggaag acctgatctt cttgtaaatt tacctgggtga attggagtca 120
acaagagaag ctgcagcaat gggacctact aagtttacac aaactaatat agggataata 180
gaaaataaac tcttggaagc ccctgatgtt ttatgcctca ggcttagtac tgaacaatgc 240
caagcacatg aggagaaagg catagaggaa ctgagtgatc cctctggggc caaatcctat 300
agtataacag agaaacacta tgcacaggag gatcccagga tgttatttgt agcagctgtt 360
gatcatagta gttcaggaga tatgtctttg ttaccagct cagatcctaa gtttcaagga 420
cttgagtggt ttgagtcagc agtaactgca aacaacacag aagaaagctt attccgtatt 480
tgtagtccac tctcagggtgc taatgaatat attgcaagca cagacacttt aaaaacagaa 540

```

```

gaagtattgc tgtttacaga tcagactgat gatttggcta aagaggaacc aacttcttta 600
ttccagagag actctgagac taagggtgaa agtgggttag tgctagaagg agacaaggaa 660
atacatcaga tttttgagga ccttgataaa aaattagcac tagcctccag gttttacatc 720
ccagaggggct gcattcaaag atgggcagct gaaatggtgg tagcccttga tgctttacat 780
agagaggggaa ttgtgtgccg cgatttgaac ccaaacaaca tcttattgaa tgatagagga 840
cacattcagc taacgtatatt tagcaggtgg agtgaggttg aagattcctg tgacagcgat 900
gccatagaga gaatgtactg tgccccagag gttggagcaa tcaactgaaga aactgaagcc 960
tgtgattggg ggagtttggg tgctgtcctc tttgaacttc tcaactggcaa gactctggtt 1020
gaatgccatc cagcaggaat aaatactcac actactttga acatgccaga atgtgtctct 1080
gaagaggctc gctcactcat tcaacagctc ttgcagttca atcctctgga acgacttggt 1140
gctggagttg ctggtgttga agatatcaaa tctcatccat tttttacccc tgtggattgg 1200
gcagaactga tgagatgaac gtaatgcagg gttatcttca cacattctga tcttctctgt 1260
gacaggcatc tccagcactg aggcacctct gactcacagt tacttatgga gcaccaaagc 1320
atttgataaa agaccgttat aggaaatggg gggggactgt atatacatat atacacaacc 1440
tacaattaca agatattagc taattgtgcc gtgttgacga tgagttgtaa agccaactga 1500
aaggtgtgat ctgaatttaa tccacatttg gtgttgacga tgagttgtaa agccaactga 1500
aagagttcct tcaagaagtt cctctgatag gaagctagaa gtgtagaatg aagttttact 1560
tgacagaagg acctttacat ggcagctaac agtgcttttt gctgaccagg attggtttat 1620
atgattaaat taatatttgc ttaataatac actaaaagta tatgaacaat gtcatcaatg 1680
aaacttaaaa gcgagaaaaa agaataatac cataatttct gacggaaaac ctgtaccctg 1740
atgctgtata atgtatgttg aatgtggtcc cagattatatt ctgtaagaag acactccatg 1800
ttgtcagctt tgtactcttt gttgatactg cttattttaga gaaggggtca tataaacact 1860
cactctgtgt cttcaacagc atctttcttt ccccatcttt ctattttctg caccctctgc 1920
ttgttccctc atattctgtt cttccgactc ctgctaacac acatgcaaca aaaaagggaa 1980
gggagtgtct atttcccttt gtgtaaggac taagaaatca tgatatcaaa taaacatggt 2040
gaaacattaa aaaaaaaaaa 2059

```

&lt;210&gt; 118

&lt;211&gt; 2273

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte clone 1645941CB1

&lt;400&gt; 118

```

ctgagagagc tgggggagga gcgcggcggc gacggcgggc gtggctctag aaggggaggt 60
ggaggatctc ctttctctct ctcagacccg ggagcgctcg ggacgcggac ccggagctgg 120
ggcgcagagg cgattgcggg ggccctgggct agctgctggc taccaatatt ctactttctg 180
actctatgaa tgtgactacc ctggttacct catataatct ccctggaaaa ggagacatga 240
atgtctgcaa tgataacttc tgacaagaag ttgatacaag aaaaggaaag gagattaaca 300
gctagtgcgc agaatttcga acagcaggat ttgcgtatct ttgcttccaa ctgcacactt 360
ccgttgccca cttttaaatc agagatacct acactcaaaa ccagacaaag gcaaaaaggat 420
acttttcttg tatatttttt gagatcgaag aaacgcacaat gtccaggaaa cagaaccaga 480
aggattcatc aggattcatt tttgatttgc agtccaatac cgtactggcc cagggaggag 540
cttttgagaa catgaaagag aagataaatg cggtagctgc aatagttcct aataagagca 600
acaatgaaat tatcctgggt ttgcagcact ttgataactg tgtggacaaa acagtacaag 660
cattcatgga aggtagtgcg agtgaagtac tcaaagaatg gacagtaaca ggcaagaaaa 720
agaacaaaaa gaagaaaaac aaaccgaaac ctgccgcaga accaagtaac ggcatcccag 780
attccagtaa atcagtttcc attcaagagg aacagtctgc gccttctctc gagaaagggtg 840
gtatgaatgg ctacatgtc aatggtgcca tcaatgacac tgagtctgtg gactcactca 900
gtgaagggtt ggagacactt tcaatagatg ccagagaatt ggaggatccc gagtctgcca 960
tgctagatac gctggataga acaggatcca ttgtgcagaa tgggtgtctct gattttgaga 1020
ccaagtcttt gactatgcac tctattcaca atcttcaaca acccaggaat gctgccaaat 1080
ctctctcaag acctaccaca gaaactcagt tttcaaatat ggggatggaa gatgttcccc 1140
tcgccaccag taaaaagcta agttccaata ttgaaaaatc tgtaaaagac ctccagcgct 1200
gcacagtgtc tcttgacagg tatcgagttg tagttaaaga agagatggat gcctccatta 1260
agaaaaatgaa acaagccttt gctgaattgg agagctgttt aatggatcga gaagtggcgt 1320
tgcttgctga aatggacaaa gtgaaagctg aagcaatgga aattttgctc agccgacaaa 1380
agaaggctga acttctaaag aagatgactc atgtggctgt tcaaatgtca gacgagcaat 1440
tggttgagct cagagctgat atcaagcact ttgttagtga acgtaaatat gatgaggatc 1500
tgggacgagt agcccggttc acctgtgatg tagagaccct aaagaagagc attgattcat 1560

```

```

ttggacaagt gtctcatcca aagaacagct attcgaccag atccccgatgt agctcagtta 1620
catctgtgtc cttgagtagc ccaagtgatg cctctgtctg ttctctcttc acctgtgcct 1680
ctcctccag ccttacaagt gctaacaaga aaaactttgc accgggagag actcctgcag 1740
ccatagcaaa ctccagtggc cagccctacc agccacttcg ggaggatttg ccagggaaca 1800
gacgaggagg acagggttat aggccacaag gccaaaagtc caatgacccc atgaaccaag 1860
ggcggcatga cagtatgggt cgttacagaa acagctcgtg gtattcatct ggttccaggt 1920
atcagagtgc tccatctcag gcaccaggaa acaccattga aagaggccag actcactctg 1980
cagggaccaa tggaactgga gtcagcatgg agcccagccc tcccacgcct tcattcaaaa 2040
aggggctccc ccagcgcaaa cccaggacct ctcaactga agccgtgaac tcttgagaga 2100
aaatccagtt ggctctctc ctctatccac acaattcaac ttgataactg gacttttagga 2160
aacttacagt tagatgtaat aacaaaaaga agtttatgcg tatcactttt tgtgccattc 2220
taagtatttt tggtttcttg tctccttatt tcctctttac catttttgga ggg 2273

```

&lt;210&gt; 119

&lt;211&gt; 1772

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte clone 1646005CB1

&lt;400&gt; 119

```

ccctgtgtc atcaaaataa aagctttctg aaggtggagg catctgatac ccagagtgtc 60
gctatcagcc ggacaggtgg gccgtggtg gcaggagcgt cgagaaggcc agctcgcttc 120
ctatccggga ttcagaatca gctatggaaa cttgagagac cttagagaaa taacttcttt 180
cactttgaac tgattctttg cttcataaga aaagtattat ccagccacaa aaatggtcaa 240
aattcagatc tacaaaagcc tgtcaggcag aaactgaccc cacttaggcc acgccaatga 300
gcaagtcac aaagcagcca agacagggtc tgtggggggc acccatgcac agggccagc 360
ctcgggtcct aacccgcct atgctttccg ccaccataaa gaggcccatc tgggtaagac 420
ctgtcccgcc tctgtgggg tattaggga gatgggtct gaggggtctg aggcctctga 480
gagcagctgg cagctcaagg acatccggag ttggaggatg gagcaatgca ggccttctg 540
gtaaagacag tctgcagcc gcgcaggcag ggatgtctga agtggagtgc caggcggtg 600
cggagccctg tgggactgtg gaggggtcag agggaagcca ggattttggg gtctctgaga 660
gttttgagaa ggggaagaag attaaagctt gtttcaaaag tttctaatac ggtgggcagg 720
gccaaagggtg gctgtgggt gagaccatg actcagggtg gccactggtt actctattga 780
tttttggcg ttttttcca aattgattat tcttgctgaa tgagacctga gtccttgact 840
gtcccttaa agccacctga cttgttttca gttccactgg cctgtcgggc tgttttctac 900
tcaactccac tcttgcttgt ctgccctccc tgcctggggc ccagccagca gtcagctcaa 960
gggccagatg aattgggtgg ctgtgctctg cccactgggc atcgtgtgga tgggtgggtga 1020
ccagccccct caggtgtca gccaggcctc aagccttgct gtgtacctca gagcagctcc 1080
gtaccctgat gtcacagcaa agaaacttag acatgacaca aactgtggct tcccaaggca 1140
gcaaagaatg gccaggggtc atgagggcgg tgcccactt ttggacagac ctactctaaa 1200
gtcacgctac ctgcgtgcaa atcataaaat caacactttt gaggagatca cagctatgcc 1260
ttcgtaacac agcccagtc gaccagatag acggtgcctc gtgacccgaa aacaagcccc 1320
cggcccccca ccatgtgtgt gagccttacc ttggactgca cgctgaggga gcggatggaa 1380
gggacagcaa ggaggccgaa gcgctcgtag aggtactcat tggaggagct tcccttcagg 1440
agggcgaaag gaatgaggta gagctcccc tccagaacca ggatgagctg ccggtgccgg 1500
cccacggggc cgctggagt catcaggccc tatggagcaa gcacggagag gctgacatgg 1560
gtggcccagc aggcagggt ttcaggcacc aggacaaccc ctgagcccta cctggatgac 1620
accagcacga acaggttaag cctgttgggg gtttggggcg ccaatgggga atgggcccc 1680
gtggcaaac ctgcaggaac cgggaacaaa cttggcatgc tccgctcgtt gaacttggca 1740
aagggtcggc ccttgggaagc attcaatctt gc 1772

```

&lt;210&gt; 120

&lt;211&gt; 2260

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte clone 1686561CB1

&lt;400&gt; 120

```

gagaaggtgg agggagacga gaagccgccc agagccgact accctccggg cccagtctgt 60
ctgtccgtgg tggatctaag aaactagaat gaaccgaagc attcctgtgg aggttgatga 120
atcagaacca tacccaagtc agttgctgaa accaatccca gaatattccc cggaagagga 180
atcagaacca cctgctccaa atataaggaa catggcacc aacagcttgt ctgcaccac 240
aatgcttcac aattcctccg gagacttttc tcaagctcac tcaaccctga aacttgcaaa 300
tcaccagcgg cctgtatccc ggcaggtcac ctgcctgcgc actcaagttc tggaggacag 360
tgaagacagt ttctgcagga gacaccagc cctgggcaaa gctttccctt ctgggtgctc 420
tgacgtcagc gagcctgcgt ctgagtctgt ggttgagacc ctccctgcag agcatcagtt 480
ttcattttatg gaaaaacgta atcaatggct ggtatctcag ctttcagcgg cttctcctga 540
cactggccat gactcagaca aatcagacca aagtttacct aatgcctcag cagactcctt 600
ggcggttagc caggagatgg tgcaacggcc ccagcctcac aggaaccgag caggcctgga 660
tctgccaaac atagacacgg gatatgatcc ccagccccag gatgtcctgg gcatcaggca 720
gctgtccttt cccctgcccc tcacctccct gtgttacccc caggacctcc ccagacctcc 780
caggtccagg gagttccctc agtttgaacc ctgagggtat ccagcatgtg cacagatgct 840
gcctcccaat ctttcccccac atgctccatg gaactatcat taccattgtc ctggaagtcc 900
cgatcaccag gtgccatatg gccatgacta ccctcgagca gcctaccagc aagtgatcca 960
gccggtcttg cctgggcagc ccctgcctgg agccagtgtg agaggcctgc accctgtgca 1020
gaaggttatc ctgaattatc ccagccccctg ggaccaagaa gagaggcccc cacagagaga 1080
taggtccttt ccggggcttc caaggcacca ggaccagcca catcaccagc cacctaatag 1140
agctgggtgct cctggggagt ccttgagatg ccctgcagag ctgagaccac aggttcccca 1200
gcctccgtcc ccagctgctg tgccatagacc ccctagcaac cctccagcca gaggaactct 1260
aaaaacaagc aatttgccag aagaattgct gaaagtcttt atcacttatt cgatggacac 1320
agctatggag gtggtgaaat tcgtgaactt tttgttggtt aatggcttcc aaactgcaat 1380
tgacatatctt gaggatagaa tccgaggcat tgatatcatt aaatggatgg agcgctacct 1440
tagggataag accgtgatga taatcgtagc aatcagcccc aaatacaaac aggacgtgga 1500
aggcgctgag tcgcagctgg acgaggatga gcatggctta cataactaagt acattcatcg 1560
aatgatgcag attgagttca taaaacaagg aagcatgaat ttcagattca tccctgtgct 1620
cttcccaaat gctaagaagg agcatgtgcc cacctggctt cagaacactc atgtctacag 1680
ctggcccaag aataaaaaaa acatccctgt gcgggtgctg agagaggaag agtatgtggc 1740
tctccacagg gggcctctgc ccacccttca ggtggttccc ttgtgacacc gttcatcccc 1800
agatcactga ggccaggcca tgtttggggc cttgttctga cagcattctg gctgaggctg 1860
gtcggttagca ctctggctg gtttttttct gttcctcccc gagaggccct ctggcccca 1920
ggaaacctgt tgtgcagagc tcttccccgg agacctccac acaccttggc tttgaagtgg 1980
agtctgtgac tgctctgcat tctctgcttt taaaaaaacc attgcagggt ccagtgtccc 2040
atatgttcct cctgacagtt tgatgtgtcc attctgggccc tctcagtgtc tagcaagtag 2100
ataatgtaag ggatgtggca gcaaattgaa atgactacaa acactctcct atcaatcact 2160
tcaggctact tttatgagtt agccagatgc ttgtgtatcc tcagaccaa ctgattcatg 2220
tacaataaat aaaatgttta ctcttttgta aaaaaaaaaa 2260

```

&lt;210&gt; 121

&lt;211&gt; 1602

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte clone 1821233CB1

&lt;400&gt; 121

```

gcccaagacc gtgcgcgaca cgtgctgggc gctgcaccag cacggccact cggggccctt 60
cgagagcaag tttaagaagg agccggcctt gactgcaggc aggttggttg gtttcgaggc 120
caacggggcc aacgggtcta aagcagttgc aagaacagca aggaaaagga agccctctcc 180
agaaccagaa ggtgaagtcg ggccccctaa gatcaacgga gagggccagc cgtggctgct 240
cacatccaca gaggggtca agatccccat gactcctaca tctcttttgg tctctccgcc 300
accacccact gcctcacctc attccaaccg gaccacaccg cctgaagcgg cccagaatgg 360
ccagtcccc atggcagccc tgatcttagt agcagacaat gcagggggca gtcatgcctc 420
aaaagatgcc aaccagggtc actccactac caggaggaat agcaacagtc cgccctctcc 480
gtcctctatg aaccaaagaa ggctgggtcc cagagagggtg gggggccagg gagcaggcaa 540
cacaggagga ctggagccag tgcacctgc cagcctccc gactcctctc tggcaaccag 600
tgccccgctg tgctgcaccc tctgccacga gcggctggag gacacccatt ttgtgcagt 660
cccgtccgtc ctttcgcaca agttctgctt cccttgctcc agacaaagca tcaaacagca 720
gggagctagt ggagaggtct attgtcccag tggggaaaaa tgccctcttg tgggctccaa 780

```

```

tgtccccctgg gccttttatgc aaggggaaat tgcaaccatc cttgctggag atgtgaaagt 840
gaaaaaagag agagactcgt gacttttccg. gtttcagaaa aacccaatga ttacccttaa 900
ttaaactgc ttgaattgta tatatatctc catatatata tatatccaag acaagggaaa 960
tgtagacttc ataaacatgg ctgtataatt ttgatttttt ttgaatacat tgtgtttcta 1020
tatttttttt gacgacaaaa ggtatgtact tataaagaca tttttttctt ttgttaacgt 1080
tattagcata tctttgtgct ttattatcct ggtgacagtt accgttctat gtaggctgtg 1140
acttgcgctg ctttttttaga gcacttgcca aatcagaaat gcttctagct gtatttgtat 1200
gcacttattt taaaaagaaa aaaaaagcca aatacatttt ctgacattgt aagattgcct 1260
tactgtctgt cattccttat tgctggcccc tttctcaggc cggagcgaat gtggtggaga 1320
aggaaaggaa atgatcgaaac ggcatgttg tcaagtgggc atgccactgg gaaataccac 1380
cagtttaccg tgaacatttg tcctcagagg agtaggaaag tggattttga atctctattt 1440
tgctcaaaaag ttcagttcct gagatactga tgactgagag tgctgctggg aaattttcag 1500
gattgtgtgg tcttttgggg ttttttggtt tttttttttt aagacaaagt tgaccgctgt 1560
tcactgtcca cgtgatcagt tgtaagatta caatgctgca tc 1602

```

&lt;210&gt; 122

&lt;211&gt; 1655

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte clone 1877278CB1

&lt;400&gt; 122

```

gcgggcgcac tccggtgcaa gcgaggacac gacacatgca gtggcttctg gactgcgcga 60
tgactggacg caagtaactt ctaggtctgc agacaagagg aagagaagat gaaggaagac 120
tgtctgccga gttctcacgt gcccatcagt gacagcaagt ccattcagaa gtcggagctc 180
ttaggcctgc tgaaaaccta caactgctac catgagggca agagcttcca gctgagacac 240
cgtgaggaag aagggactct gatcatcgag gggctcctca acattgcctg ggggctgagc 300
cggcccatcc ggctgcagat gcaggatgac cgggagcagg tgacactccc ctccacctca 360
tggtgcccc gacggcctag ctgccctcta aaggagccat cgccccagaa cggaacatc 420
acagcccagg ggccaagcat tcagccagtg cacaaggctg agagtccac agacagctcg 480
gggcccctgg aggaggcaga ggaggcccc cagctgatgc ggaccaagag cgacgccagt 540
tgcatgagcc agaggaggcc caagtgccgc gcccccggtg aggccagcg catccggcga 600
caccggttct ctatcaacgg ccacttctac aatcataaga cctccgtgtt tactccagcc 660
tatggatccg tgaccaatgt gagggccaac agcaccatga caaccctgca ggtgctcacc 720
ctgctgctga acaaatattag ggtggaagat ggccccagtg agttcgact ctacatcggt 780
cacgagtctg gggagcggac aaaattaaaa gactgcgagt acccgctgat ttccagaatc 840
ctgcatgggc catgtgagaa gatcgccagg atcttctctga tggaaagctga cttgggcgtg 900
gaagtcccc atgaagtcgc tcagtacatt aagtttgaaa tgccggtgct ggacagtttt 960
gttgaataat taaaagaaga ggaagaaaga gaaataatca aactgaccat gaagttccaa 1020
gccctgcgtc tgacgatgct gcagcgctg gagcagctgg tggaggccaa gtaactggcc 1080
aacacctgcc tcttccaaag tccccagcag tggcaggtgt aactgagcc ctggttgctg 1140
gccccggccg gtcacattga ctgatggcca ccgcctgacg aatcgagtgc ctgtgtgtct 1200
acctctctga agcctgagca ccattgatcc cacagccagc tcttggtctc aagatgagca 1260
cccacaggaa gccgaccag gcctgagggg ccaggaaact gctgggtcag atctgtgttg 1320
ccagccctgt ccacaccatg cctctcctgc actggagagc agtgcctggc cagcccctgc 1380
ggcttaggct tcatctgctt gcacattgcc tgtcccagag cccctgtggg tccacaagcc 1440
cctgtcctct tcttcatat gagattcttg tctgccctca tatcacgctg cccacagga 1500
atgctgctgg gaaaagcagg gcctgccagc aggtatgaga tctagcctgc tttcagccat 1560
caccttgcca cagtgtcccc ggcttctaag cctccaatat caccctgtga gcctgcaca 1620
gctcagcccc aacacagagg tgagaccagg aataa 1655

```

&lt;210&gt; 123

&lt;211&gt; 2225

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte clone 1880692CB1

&lt;400&gt; 123

```

cttttagaan cttggggncl tttgaccang ccccaanalc caangtttca ggcccnttna 60
taanctacnc gatncangnc ggttcangaa acnccnanaa aattggatcn nnttgatcac 120
atgccaaagt gatggagtgg ctaaagagta cagattatgg aaaatatgaa ggactaacia 180
agaattacat ggattattta tcccgactat atgaaagaga aatcaaagat ttctttgaag 240
ttgcaaagat caagatgact ggcacaacta aagaaagcaa gaagtttggg cttcatggaa 300
gttcggggaa attaaactga tctacttcta gtctaaataa gctcagtgtt cagagttcag 360
ggaaatcgag atctcagtc tcttccctgt tggatatggg aaacatgtct gcctctgac 420
tcgatgttgc tgacaggacc aaatttgata agatctttga acaggacta agtgaactgg 480
agccctatg tctggcagaa caggacttca taagtaaatt tttcaaacta cagcaacatc 540
aaagtatgcc tggaaactat gctgaagcag aggacctgga tggaggaaca ttatcacggc 600
aacataattg tggcacacca ctgcctgttt catctgagaa agatatgac cgccaaatga 660
tgattaaaa atttcgctgc attgagccag agctgaacaa cctaattgca ttaggagaca 720
aaattgatag ctttaactct ctttatatgt tagtcaaaat gagtcatcat gtgtggactg 780
cacaaaatgt ggaccctgct tctttcctaa gtactacatt gggaaatgtt tgggtgactg 840
tcaaaaggaa ctttgacaaa tgcattagta accaaataag gcaaattgaa gaagtaaaga 900
tctcaaaaaa gagtaaagtt ggaattcttc catttggtgc tgaatttgaa gaatttgctg 960
gacttgca atcaatcttc aaaaatgctg agcgtcgtgg agacctggat aaagcatata 1020
ccaaacttat cagaggagta tttgttaatt tggagaaagt agcaaattgaa agccagaaga 1080
ccccaggga tgtggttatg atggaaaact ttcaccatat ttttgcaact ctttctcat 1140
tgaaaatctc atgtctagaa gcagaaaaaa aagaagccgc tataaaccac aaattcttct 1200
gatgttaata ttattagcct ccactaaag tctacttacc aaaaccatgt gggctattag 1260
attgccccca agagctccaa atgtataata tacaagagcc tttgcctgac ttgaattaac 1320
accaagtcca gaggcataca gaaagccaag agcagctctgt cccttgggag agccttctct 1380
agtcagcttc tcaaacatct ctctcgctgc ctggatattc tgtggcaagt aatcaccaaa 1440
taaaagagca tatgacactc tctccagggc tttggtatgg ttcattgctt ctgccttttg 1500
gagataccga tatgcttctc ttttttggct tttcttattg cttccattaa ggattttcat 1560
tccagtttga tacatcattt ctgcttctct catctgccgt ctcttagcag cctcttcttc 1620
agtttcacaa aagccccact tttcatctgc tttgtagtca taggtttag caccacacag 1680
tctgccatct tccctcccat ctgatgtaca ttcatacat gccttcaatg gcggtcaaag ctgggttccg 1800
agggaaagtg cagggtccc catgtgctgt ttctggattt ggagactcta gaaagctgat 1860
tactttcttt ggtcttctat agtccttgtt tcttgagctg tcttctctc cttgaataga 1920
atcttctgtg acactttccc cctcttggct cttgaggctg ccagcaacta ctctgcctgc 1980
ggattcta at tcagattctt ctgaatcaag aaatatttga gtcttggaat ctaaggattc 2040
agtagtatgg tcttttactg actcatctga tgtcaaagta ctcagcagca ccgcacacag 2100
atcctggctg ccttcttcat ccgaggacgc cgaggccaag ctcagcagca caaccctag 2160
cagcagctgc agccctatcc ggaccctgc cctctctgc accgcgcct cgccgctgct 2220
cttcc

```

&lt;210&gt; 124

&lt;211&gt; 1516

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte clone 2280456CB1

&lt;400&gt; 124

```

cggatttaaa cctcagcggg cggcgggttaa ccgcaggctc ggccgctggg ccggcagtg 60
gcctgcgcaa gttacgcgaa agctaacaga atctgcgggt ctctgctggc gactggcatg 120
acgcggtgca gagagcggac ttccgcgacg cgggtgtttt ttttacttg aatgtaaata 180
ccaatcaaga tacattgaaa taagaaggte ctacagtgtg ggggaagcaa tggagaact 240
tctacctgat ggacaaatat gggctaatat ggatccagaa gaacgaatgt tggcagctgc 300
tacagctttt acccacatct gtgcagggca ggggtgaagga gatgtcagga gagaagccca 360
atctatccaa tatgatccct acagtaaagc ttcagttagc ccagggaagc gacctgctct 420
tctgtgcaa ctacagtacc cacatgtaga aagtaatgtc ccttcagaaa cagtctctga 480
ggcctcccaa agactccgaa agccagtgtg gaagagaaag gtgctgcgca gaaagccaga 540
tggggaagta ttagtaacag atgagtcgat tatcagtga tcaaatctg gtacagaaaa 600
tgatcaggat ctctgggact taagacaaag gctgatgaat gtacagttcc aggaagacaa 660
ggaatcttca tttgatgttt cacaaaaatt taacctacca catgaatac aaggaatttc 720
tcaagatcag ctctattgct ctctacaaag agaaggaatg ggctctccag cttacgaaca 780

```

```

agacctgatt gttgccagca gacccaagtc ctttattctc ccaaagctgg accagttaag 840
ccgaaaccgg ggcaagacag accgggtage ccggtatttt gagtacaac gggactggga 900
ctcaatacgt ttacctggtg aagatcatag aaaggaatta cgctggggtg tccgagagca 960
gatgctttgt cgagcagaac cccaatccaa acctcagcat atatatgtcc caaacaatta 1020
tctagtacca acagagaaga aaaggtctgc actccgttgg ggtgttcgtt gtgaccttgc 1080
aaatggtgtc ataccagga agcttccctt cctctctttaa ccttctttaa tcttttttaa 1140
cttctttcac aggattgttt gagataacct agctctttat atcttccctt ttaaatagaa 1200
acaactgtct tgagaagctc ttcgaaacat tttatggtaa ggacttcacc tatcattggt 1260
ctttcctagc tatatatcac attggtatca gatgatactt ccaaattgcc actcaaatcc 1320
agcaattgca agataaatca tatcagagaa agaacaacag acctggtctt tctattttgt 1380
caaattagta cgggcccttt gagtcctgta acttttttta cctatcaata tgagttgctg 1440
tgcttcagtg tgtgtttttt aagttgctgg gcattacact taccaattaa agaattttgg 1500
aaattcaaaa aaaaaa 1516

```

<210> 125  
 <211> 1635  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte clone 2284580CB1

```

<400> 125
cgggggagct gggagcccga cgtttccggg agcgccgcgt ggttagcgtc ggcggtttt 60
ggcatggcga ctttttctgg cccggctggg ccaatcctgt cgcttaatcc gcaggaagat 120
gtcaggtttc aaaaggaggt ggcgcaggtt cgcaagcgca taaccacgag aaaaaaaca 180
gaacaactta ctctggaggt agtctatgtg cgccacctac ctaacctact tgacgaaacc 240
cagatctttt catatttctc ccagtttggc actgtgacac ggttcagcgt gtccagaagt 300
aaaaggactg gaaatagcaa aggctatgca tttgtggagt ttgagtctga ggatgttgcc 360
aaaatagttg ctgaaacaat gaacaactac ctgtttggtg aaagactctt ggagtgtcat 420
tttatgccac ctgaaaaagt acataaagaa ctctttaaag actggaatat tccatttaag 480
cagccatcat atccatcagt gaaacggtat aatcggaatc ggacactaac acaaaagcta 540
cggatggagg agcgatttaa aaagaaagaa agattactca ggaagaaatt agctaaaaaa 600
ggaattgact atgattttcc ttctttgatt ttacagaaaa cggaaagtat ttcaaaaact 660
aatcgctcaga cgtctacaaa aggccaggtt ttacgtaaga agaagaaaaa agtttcaggt 720
actcttgaca ctcttgagaa gactgtggat agccagggcc ccacaccagt ttgtacacca 780
acatttttgg agaggcgaaa atctcaagtg gctgaactga atgatgatga taaagatgat 840
gaaatagttt tcaaacagcc catatcctgt gtaaaagaag aaatacaaga gactcaaaac 900
cctacacatt cacggaaaaa aagacgaaga agcagcaatc agtgattttc aatgtattat 960
atttcttttg aaaaaatataa tatttttatg agagtggact ttgtatttca ctaggtacaa 1020
tggaatacaa cctttgacaa gattttcaga ggaaaaatac actgtttggt caagttaagg 1080
aaagcagtgt gtaatttttg attgcctgcc cttggctgaa atacaggggt gcataccatc 1140
ttgcagtggc ttggctgaca ttgcctcttt gtcctggcct ctagttttct tttgatattt 1200
catagctctc cttagtttac tctgcctgga tagaaagttg accactaact gcaggtttta 1260
gtactaaact gcagcctttt ctgtcgccag caattaaaga ccaccaatct tgtttgtcca 1320
ttacatgggt ttgtcgggga catttaactc attgaggtgc tttagatttc aacatcagat 1380
ggttgaaagt ggaagtttta ttatatgtag agtgagaagg cagttccagt tttagcacag 1440
atttgtttat gtgttcagat tttaatatag attcaaaaat gactcatttt taccaataat 1500
gttaaattag ttttggttgt gctagcatga attaataacc accattttat accagtatca 1560
tcagtgaaga attgtatttc aagattcaaa caataaccag caattaaact tttttctaca 1620
atgtaaaaaa aaaaaa 1635

```

<210> 126  
 <211> 2673  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte clone 2779172CB1

```

<400> 126
cagggggcctt tcctcagaga atatctttat gtttacaaga atgtaagtca gctgtcacca 60
gatgggtcctt tgccacagct tcctttaccg tatattaaca gttcagcaac acgggttttt 120
ttttggccat gacagacgac cagcggatgg tgaaaaacaa gcagctactc atgtaagtct 180
tgatcaagaa tatgattctg aatcctctca gcagtgccga gaacttgagg aacaagttgt 240
ttctgtggtt aacaaaggag taattccatc caattttcat cccacacaat actgtttgaa 300
cagttactca gataattcaa gatttccact tgcagttgta gaagaaccaa ttacagtgga 360
agtggctttt agaaaccctt tgaaagtctt acttttggtg actgatttgt cattgctttg 420
gaagtttcat cctaaagatt tcagtggaaa ggataatgaa gaagttaaac aactagttac 480
aagtgaacct gaaatgattg gagctgaagt tatttcagag ttcttaatta atggcgaaga 540
atcaaaagtg gcaagactaa agctctttcc ccatcacata ggggagctgc atattctggg 600
agttgtttat aatcttggca ctattcaggg ctctatgaca gtagatggca ttggtgctct 660
tcccggatgt cacacaggaa aatattcctt gagtatgtca gtccgagggg agcaggattt 720
agaaattcaa ggtcctcgac ttaacaacac aaagaagag aaaacatctg ttaaataagg 780
ccctgatcga cgtttagatc ccataatcac agaagaaatg ccactgttg aggtgttctt 840
tatacatttt cctacagggc ttctctgtgg agaaatccga aaagcatatg tagaatttgt 900
caatgtcagc aatgtgccac ttactggttt gaaggttgtt tctaaacgtc cagagtctct 960
tactttcggg ggtaatactg ctgttctaac accactaagt ccctcagctt ctgagaattg 1020
tagtgcttac aagactgttg tgacagatgc tacctctgtg tgtacagcac tcatatcatc 1080
agcttcttct gtagactttg gcattggcac aggaagtcaa ccagaggtga ttctgtttcc 1140
ccttctcgac actgttcttc taccggagc ctccagtgcag ctgccaatgt ggttaagttg 1200
gcctgatgaa gaaggtgtcc atgaaattaa ctttttgttt tactatgaaa gtgtcaaaaa 1260
gcagccaaaa atacggcaca gaattattaag acacactgca attatttgta ccagtcggtc 1320
tttaaagtga cgggccactg tctgcagaag taattctctt gaaaatgaag aaggcagagg 1380
aggcaatatg ctagtctttg tggatgtgga aaataccaat actagtgaag caggcgttaa 1440
ggaaattcac atagtgcaag tatcaagtag tagcaaacac tggaagttac agaaatctgt 1500
aaatctttct gaaaacaaag ataccaaact tgccagtagg gagaagggaa agttttgctt 1560
taaggcaata agatgtgaga aagaagaagc ggccacacag tctctgaaa aatatacctt 1620
tgcagatata atcttttgaa atgaacagat aataagttca gcaagcccat gtgcagactt 1680
cttttatcga agtttatctt ctgaattgaa aaaaccacaa gtcacttgc ctgtgcatac 1740
agaaaaacag tcaacagagg atgctgtgag attgattcaa aaatgcagtg aggtagattt 1800
gaatattgtc atattatgga aggcatacgt tgtggaagac agtaaacagc ttattttgga 1860
aggtaacat catgttatc ttcgcactat agaaaaagaa gccttttcat atcttcagaa 1920
acaggagcca ccagaaatgg aactattgaa atttttcagg ccagaaaaca ttacagtttc 1980
ctcaaggcca tcagtagagc agctttctag tctcattaaa acgagtcttc actaccaga 2040
atcatttaat catccatttc atcaaaaaag cctttgttta gtaccagtca ctcttttact 2100
ttccaattgt tctaaggctg atgtagatgt catagttgat cttcggcata aaacaacaag 2160
tccagaagca ctggaaatcc atggatcatt cacatggctt ggacaaacac agtataaact 2220
tcaacttaaa agccaggaga ttcacagtct gcagctgaaa gcatgctttg ttcatacagg 2280
tgtttataac cttggaactc ctagggtatt tgccaagtta tcggaccaag ttacagtgtt 2340
tgaaacaagt cagcagaatt ccatgcctgc cctgatcatc atcagtaatg tgtgacaact 2400
tggaaatttg tactgaaatc cacaataatc agtttttgct ggatgggttt tacagcagta 2460
tttgatatac ctaacttgtt atggaggttg attgatatct gatccctgca aaatactttg 2520
acttgcatt ttgttgatga tgcaaagcac gttggactga gaatacttaa catctttct 2580
ctgtatctct taaaccctgg gataaattac atgcccacaa tacagggtat ccgcataatt 2640
gtgcacctta ttaagcccca tcttaagaga aca 2673

```

<210> 127

<211> 2206

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte clone 3279329CB1

<400> 127

```

gtctggcctt tgcactagta gatcattgct gacataggtc agtttagaga cctttctgtg 60
ttaatgcctc ctggtactgt cttaagatac gtacagtgtc tgtttttaga tctatgcata 120
tgtcatgaag ctccttgtgg gctctgcatt aagctctgac tttgtttttg ggttaacaga 180
tgtgcctgtc aactagcatg tgtattgtcc aaattccata aacttaaggt ttttaagggc 240
tgtgtggttt ctgagctcta tgtgtctttc ctatccttgt accttcaaag ggtgagaaat 300
gagatttata catccaaagt tagtctgata aatatggctt tttgtttctc catgtaacct 360

```



```

agactgtcaa aaataagtga tgggtgataag taggcctgga gcctcagctt ctgtaaatct 420
cattcctaaa attttgctag actcgtgttg gcaaaaaacaa atacctgtgg attgtcctta 480
aggcttttaa tcagatacct gtgttgctgt tagctgaact gtagtgaagc atcgatccaa 540
atcgggtcttc tgaagtatca gttatgcttt tgagtttaga aaatacttag gtgttagtct 600
agtcttccca ttcatagaatc agtgtatgtc catatcagag agcctcaact tcttttttct 660
tccttttttaa aaatgatttt agtgttttga tttagtgtat actacatagt tcagtattat 720
tggctttacc agtgttgaca gaaaaatttt aaatctccag ttgcaaacag caatggatta 780
ggatatggaa ataaaatcat ggtgacatca ctgctgagtt atcttaaacc tctgctactt 840
aattctccat attgaaatgc atactcctcc acatacatgg cttccaagta aaggcaattg 900
tagagggggc ctgtctatcc cagtattggtt ggatttttaa catatctgtg ttccggttat 960
tttgggaact gattaatatt tacaattttt tttgtttatg agttattttg atactaagaa 1020
aagagagaat ctagaacatc ttgcagttga aatacaaat ttattctttt ggtcttgagg 1080
gaatttaagc agtctatgca actcatcaaa tgggtgagaaa tagccctccg aggttccagt 1140
aagctttcag tgactttgat acctcccaa gtttcttgag ttgctgcttg ttaacaccca 1200
gcttttaact gagtgtttgc tctgtatggt ttaggagatt ttcattgtgt atcacactgt 1260
caagttttat tttgtctttt tatccctccg tggatgtgag tttgaaacaa gcacggtaca 1320
gtaatcctgc ctgatagagt agtctggaat gagaattact ttttgggtga gagagtcttc 1380
cattttaatg tttctaaagt ttttcatatg aacttggcat tggaaaaggg aggtaaagaa 1440
aaaggacggt tactaaaagc agtgtctact cttccccttt gtgagtgttt attcatggct 1500
aatgaaaaaa agagaaggac tcttgggttt tgtgttgcca tghtaagcat ggagagggat 1560
gcttgacagc atgctaattg aagccagagc aagtatgtcc ttcattcagg aatcaggaac 1620
tcttcagttg aagctgagga actaactgat tagttgttga tcataatata attggttaca 1680
aagtggaaat gccagctggc ttaagtaccc aaagaaaaga atgcagcagc ctaacttagt 1740
gttaccatat gttactgaat ttgaaactga ctttttttcc caccctactt cacacacctt 1800
aaactctttt cttgtcagac caaagagcga aaagaaaaaa aaaagtaaaa cactttacca 1860
atctgtcact caggtacaat tttgtgtgta gatttttgtc tgttctcttt gtattgtctt 1920
taagagtcct ttctcagcat attattctgc cattgcctct gtcttctctt gggcacctca 1980
gctctggatg ctacccttg gatatctact gctgttatgt gaatgatagg aggtaaagtga 2040
ccattatagt aagggtctct tgtaaaaaaa ttcaaaaaat ttaaaaagga tgtatacatt 2100
ttatagtctg gctatcagtt tgatatcttg ctgtcaagta tgtttctcaa tctgtattta 2160
tccatcccat caataaatgt taatggtaaa acautcaaaa aaaaaa 2206

```

&lt;210&gt; 128

&lt;211&gt; 1426

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc feature

&lt;223&gt; Incyte clone 3340290CB1

&lt;400&gt; 128

```

gcccaggccg gccccgcggg ggggtgcggg ccgtgacggc ggctccgggc ccggctcccc 60
ttccnctcnc gntccccctt ccgcgcncct cccgcgggag atgaggggaa gatgtccgtg 120
tcagggtctca aggcggagct gaagttcctg gcgtccatct tcgacaagaa ccacgagcga 180
ttccgcctcg tcagttggaa gctggacgag ctgcactgcc agttcctggt gccgcagcag 240
ggcagccgcg actcgtgcc gccgccactc acgtccact gcaacatcac ggaatcctat 300
ccatcttctt caccgatatg gtttgtggat ttgaaagacc caaatctgac atcagttctg 360
gaacgtctag aagatactaa gaacaacaat ttgaatggga caacagaaga agtgacttca 420
gaagaagagg aagaagaaga agagatggct gaagatatag aagacttaga tcactatgag 480
atgaaggaag aagagcctat tagtgggaaa aagtcagagg atgaaggaat tgaaaaagaa 540
aatttggcaa tattagagaa aattaggaag actcaaaggc aagaccattt aaatggtgca 600
gtgtctgggt cagtgcagc ttcagataga cttatgaaag agctcaggga catatacaga 660
tcacagagtt ataaaacagg gatttattca ttggaactca taaatgacag tttatatgac 720
tggcatgtta aactgcagaa ggttgaccct gatagtcctt tgacacagtg tcttcagatc 780
ttaaagaaaa aagaaggcat agaataatatt ttgcttaact tctcttttaa ggataacttt 840
ccatttgatc ctccatttgt tcgagtgggt ttacctgttc tctcaggagg gtatgtattg 900
ggtggaggag cattatgtat ggaacttctc acaaaaacaga atcaatataa tctagcaaga 960
gccaacaatt cctataattc cattgtacag atacatgaga aaaatggctg gtacacccct 1020
ccaaaggaag atggctaaat atgttgacag ttgtatgttt ggactaatgt tgttttaag 1080
aaaatctttc caacatgcag acaaaagctt tgagtgcctt tattacagca gtaccgaaga 1140
tgtagttaa tagatatttt agtgataat ctgtcatctg acatccagta taagttacag 1200
ccttcgcatt ttgtcattt tagatatctt ggactgagca gtggggcctt tactgtattt 1260

```

```

ttcctgataa atacacatac tggccactcc ttatctcttt ttcttgaaaa gtgaactttt 1320
taaagcagcc aagtcaacat caggctactg aagttgaggc tttangggta ctttcctata 1380
ttgagcccat gggggtacag gatttgcaat atattggtcc attttc 1426

```

```

<210> 129
<211> 1703
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<223> Incyte clone 3376404CB1

```

```

<400> 129
gcactttcgg caatcacgta tcgggtcgac ccacgcgtcc ggaggtcagg agatcgagac 60
tagcctggcc aacacggtta aaccccgctc ctactaaaaa tacagaaaat tagccgggag 120
tgggtggcacc tgcctgtaat cccagctact caggaggctg aggcaggaga atggccttgaa 180
cctgggagac ggagcttgca gtgagccgag attgcgctcc agcctgggag acagagcgag 240
actctgtctc aaaaaattaa aaaaaaaaaa aataataaca atgaatgaag ctggacggag 300
ttcgcgtgca ccgcggtcag ctccgggtct gctggggggt ctgggtcagc tcagggtcca 360
ggaaccgagg ccaacggcac cccgtgctgc gctgggggtga ggggtctgcc ctggggtctc 420
ggggttcagg gctaggtcac ggaggagtcg gctctgggag cttccttctc gaggagagga 480
gctgggagac ccgggcccag ggggttggcc gcatagccgg gcctgtgctc atctccagca 540
taaaactcca cttcatggag cctgcacctc gctcgtgctc caacgcttct gccaccgccc 600
accacgcccc tgcgccccag ccaggcctga ggacatgagg cgccggcgag cggtgccgct 660
cctgctgctg ctgtgttttg ggtctcagag ggccaaggca gcaacagcct gtggtcgccc 720
caggatgctg aaccgaatgg tggcggggca ggacacgcag gaggcgaggt ggccctggca 780
agtcagcatc cagcgcaacg gaagccactt ctgccccggc agcctcatcg cggagcagtg 840
ggtcctgacg gctgcgact gcttccgcaa cactctgag acgtccctgt accaggtcct 900
gctgggggca aggcagctag tgcagccggg accacacgct atgtatgccc gggtgaggca 960
ggtggagagc aacccctgt accagggcac ggcctccagc gctgacgtgg ccctgggtgga 1020
gctggaggca ccagtgcct tcaccaatta catcctcccc gtgtgcctgc ctgaccctc 1080
ggtgatcttt gagacgggca tgaactgctg ggtcactggc tggggcagcc ccagtggagga 1140
agacctcctg cccgaaccgc ggatcctgca gaaactcgct gtgccatca tcgacacacc 1200
caagtgaac ctgctctaca gcaaagacac cgagtttggc taccaaccca aaaccatcaa 1260
gaatgacatg ctgtgcgccc gcttcgagga gggcaagaag gatgcctgca agggcgactc 1320
gggccccccc ctggtgtgcc tcgtgggtca gtcgtggctg caggcggggg tgatcagctg 1380
gggtgagggc tgtgcccgc agaaccgccc aggtgtctac atccgtgtca ccgcccacca 1440
caactggatc catcgatca tccccaaact gcagttccag ccagcgaggt tgggcggcca 1500
gaagtggagc ccccgggaaa aggagccctc tgagcagagc tctgcacca gcctgcccgc 1560
ccacaccatc ctgctggacc tcccagcgt gctgttgac ctgtgagccc caccagactc 1620
atttgtaaat agcgcaccta cctcacaat caaataacct tattttattt atgatctccc 1680
aataaaacgc cggcagagag aga 1703

```

```

<210> 130
<211> 1118
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<223> Incyte clone 4173111CB1

```

```

<400> 130
agctcgcggt gcgcccgggt ggccgggctgc tttccacgca cctgcacctg cgcagcctcc 60
aaggcgctct tttggaggag ggacttctct ttcggtaacc agctcccttg cggatagtct 120
atgttctcca tataaaccca gcacttccct taattgagat acgtgggact tcaactccgtc 180
cccagcccgg aaccacaagt gagggcactg cgtttcccta ttgacctctt tggcgattac 240
ttccgcccag gggcctggaa tactggaggc ccttcgacgg agaacaacaa gaaaggcact 300
tccggtgtct gttcgcccag cgcgggcccga gtgggcccga ggggcgacat tgttgcctgc 360
gtctttcccc ccccagtcct ggggatggag atgtcgggac tcagcttttc agagatggag 420
ggctgcccga acctacttgg cctactggac aacgacgaga tcatggccct atgcgacacc 480

```

|            |            |            |            |             |             |      |
|------------|------------|------------|------------|-------------|-------------|------|
| gtcaccaacc | gcctggtgca | gcctcaggac | cgccaagatg | ctgttcatgc  | aatattagca  | 540  |
| tacagtcaaa | gtgcagaaga | acttctgagg | cgtagaaaag | tccaccgaga  | agttatatatt | 600  |
| aagtacttgg | caacacaggg | gattgttata | cctccagcta | ctgaaaaaca  | caatcttatt  | 660  |
| cagcatgcaa | aagattactg | gcaaaagcaa | ccacaactga | aattgaagga  | aacgccagag  | 720  |
| ccagttacaa | agacagagga | catccaccta | tttcaacagc | aggtgaaaga  | agataaaaaa  | 780  |
| gctgaaaaag | ttgattttcg | tcgcctagga | gaagaattct | gtcattgggtt | ctttggactt  | 840  |
| cttaattctc | agaatccttt | tctaggacca | cctcaagatg | aatggggacc  | acagcacttc  | 900  |
| tggcatgatg | tgaagcttag | gttttattac | aacacatcag | aacaaaatgt  | tatgggacta  | 960  |
| accatggagc | cagaatcgtg | agccctcggt | tgctgtcact | agtaaaagaa  | gaattttcttt | 1020 |
| ttctcagccc | caacctagat | tcacatggac | tgaaatgtgc | atcttctcct  | catgggctgg  | 1080 |
| ctaaggctgg | gagtagctgg | gactgtccat | cgaggaaa   |             |             | 1118 |